

Editorial

Morris For UAP

We want a UAP who is dynamic and realistic, who can see what has to be done and push Inscomm hard enough to do it. We want John (Bill) Morris.

He is the outstanding candidate for UAP.

At The Tech's press conference Thursday night, Morris demonstrated time and time again that he had a better grasp of the problems involved, than the other candidates. His plans and programs were invariably to the point. His emphasis was always on what student government can do.

Several times during the conference, Morris showed that he could take a question, analyze it instantly, and immediately produce a realistic point-by-point program to implement his policy. None of the other UAP candidates showed this ability.

His statements were never vague or nebulous; they were always meaningful and specific. Morris impresses us as being significantly more practical than the other candidates. In every case, his programs dramatize the art of the possible. We are also convinced that he is most likely to back his programs with the energy and time necessary to make them work.

When it comes to presenting a favorable image of MIT to the outside world, Morris has had far more

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For Study Abroad

Inscomm Recommends Expanded Foreign Opportunities Program

The Inscomm Executive Committee has recommended that foreign opportunities be given careful consideration immediately after the upcoming election.

According to the offices of Placement, Admissions, and Foreign Students' Advisors, there is at present a deplorable lack of publicity on the existing opportunities. Moreover, a student who is potentially interested in studying in a foreign country can not receive adequate advice from any single Institute office.

Research conducted by the Executive Committee indicates that numerous foreign opportunities are available. Spending a semester or a year at a foreign university is one of the possibilities.

A number of MIT departments have indicated interest in the basic idea of sending students abroad, according to the Executive Committee. Because of the

course content, different departments would recommend different semesters to spend and different types of program.

For instance, chemistry majors could receive a good education at many other schools after learning basic mathematics and physics as taught at MIT. In the five year architecture program, the fourth year could be spent studying in various European cities. In the Civil Engineering Department, seniors cooperate with Latin Americans on projects through the Inter-American Program, already in progress.

There is precedent at MIT to participate in exchanges of students. Foreign students comprise a large percentage of the present student body. According to the Executive Committee, it remains only to establish continuing programs for sending our undergraduates abroad.

UAP Hopefuls Debate Key Issues At Press Conference

By Ron Frasure

The Tech interviewed the five contenders for UAP in a two-hour press conference in the Library Lounge last Thursday.

The candidates present were Mark E. Barron, Ron Gilman, Jerry Luebbers, and John (Bill) Morris. Marty Tenenbaum did not attend, but sent a representative, John L. Dressler '64.

The conference began with opening statements by the candidates. These were followed by a question-and-answer session, with queries from the board of directors of The Tech and from the audience.

Barron's Proposals

Mark Barron suggested aca-

demic improvements in his statement and during the question-and-answer period. He emphasized the following opinions:

(1) Academic affairs, not activities, are the primary concern of MIT students. Thus the new UAP should emphasize academic improvements rather than support of activities.

(2) The freshman program needs improvement, and the UAP should lead an evaluation of academic policy toward freshmen.

(3) Some subjects have understated estimations of study requirements, and some have inadequate statements of prerequisites. The new UAP should launch a study aimed at revis-

ing the descriptions of these subjects.

(4) MIT students often have more difficulty entering MIT graduate school than students from other universities because of the differences in grading systems. The UAP should lead an analysis of the merits of the MIT grading system and the various alternatives to it.

Gilman's Proposals
Gilman emphasized two problems that, in his opinion, should be the major concern of the next UAP: communication and participation. In particular, improvement is needed in student communication with the faculty, the Institute Committee, and the

alumni. Participation in activities ought to be stimulated. Other ideas put forward by Gilman at the conference are:

(1) "Student government is worthwhile."

(2) It is not Inscomm's responsibility to engage in "image-building" of MIT to obtain the best students. "It is the Institute's job to get next year's class in, not ours."

(3) A committee to study the feasibility of a different academic calendar for MIT ought to be formed.

(4) The International Program Committee or some other group to study foreign job opportunities should be revived.

(5) Chairmen for groups such as the Winter Weekend Committee should be chosen from social committee chairmen.

Luebbers' Proposals

Luebbers suggested the main problem facing the next UAP is correcting "a very poor and unfair" image of MIT, such as that in the current issue of Holiday magazine. Specific improvements proposed by Luebbers are:

(1) Inscomm should support publication of a booklet, "This Is Our MIT," showing a correct picture of MIT.

(2) The plan to give credits for activities leadership should be abandoned.

(3) The actual cost of attending MIT ought to be determined.

(4) A program to improve the

teaching technique of graduate students is desirable.

(5) Future social weekends should combine all-Institute and living-group functions.

(6) The Public Relations Committee tends to emphasize the academic aspects of MIT, and should give a more balanced picture of student life.

Morris's Proposals

Morris touched on a number of areas of improvement that should concern the future UAP. He developed the following ideas during the conference:

(1) The office of the Undergraduate Association vice-president should be reinstated.

(2) The UAP should work with a subcommittee of SCEP to investigate the effect of the cum on academic motivation.

(3) The Undergraduate Foreign Opportunities Committee ought to be revived.

(4) Communications should be improved by holding "gripe sessions" for the students with the Inscomm subcommittees and by staying in close contact with the House Committees.

(5) Counseling to freshmen ought to be improved, since counsellors often have inadequate information.

(6) The freshman seminar method should be expanded to other subjects.

(7) The possibility of "at-home" cooperative courses, with work in

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Institute Receives \$1,000,000 Grants For Joint Center For Urban Studies

Funds totaling \$1,000,000 have been awarded to MIT for support of the Joint Center for Urban Studies, operated cooperatively with Harvard University.

A three-year Ford Foundation grant of \$600,000 has been made for general support of the Joint Center's activities. It supplements an earlier grant which established the Joint Center in 1959.

The Corporación Venezolana de Guayana in Venezuela has added \$400,000 to its 1961 contract with MIT for the services of the Joint Center in the preparation of a development strategy for the resources-rich Guayana region of southeastern Venezuela.

The Joint Center is a cooperative research venture of MIT and Harvard. It brings together scholars from a wide variety of disciplines, who share an interest in urban and regional problems.

Participants have included MIT and Harvard faculty members and graduate students from the fields of government, economics, city planning, law, engineering, history, sociology, architecture, philosophy, and business administration.

Martin Meyerson, Frank Blackus Williams Professor of City Planning and Urban Research at Harvard, is director of the Joint Center, and Lloyd Rodwin, Pro-

fessor of Land Economics at MIT, is chairman of the Faculty Committee.

The Venezuela Project

The Joint Center is preparing recommendations for an investment strategy in the Guayana region of southeastern Venezuela, an area of such rich resources that it is sometimes called the future Ruhr of South America. Substantial industrial development has started, including a dam on the Caroni River, a government-owned steel mill, and railroad installations which bring iron ore down the Orinoco.

Besides its work on the Venezuela project, the Joint Center is concentrating its activities in four main areas: (1) the structure, growth and comparative analysis of cities; (2) urban design; (3) urban transportation and technology; and (4) urban and regional problems in developing countries.

Structure of Cities

A number of projects are underway in the first of these four areas:

Edward C. Banfield, professor of government at Harvard, is making a comparative study of political relations among central cities, suburbs, and states. Sam B. Warner Jr., instructor in history at Harvard, is studying the

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Effects On Policy-Making

Killian Speaks On Science In Government

"The scientist and engineer are becoming more and more involved in the policy-making part of government."

Speaking Thursday to an audience of 45 at Senior House, James Rhyne Killian, '26, Chairman of the Corporation of MIT, added that science is now sitting at the conference table, invited or not, whenever government leaders get together.

The problem of how to give intelligible advice to presidents and prime ministers has become one of the major problems of our time. This is a new responsibility that a

scientist must take if we are to make our technical world work efficiently.

Killian pointed out that it will be necessary for scientists and engineers to enter into the political arena, too, with all the risks that are involved. This became especially apparent after Sputnik I.

MIT and Harvard have been on the forefront in getting academic and technical people involved in public affairs. As early as the 1930's, MIT President Karl Taylor Compton and Harvard President James B. Conant were working to

create an attitude of public service at MIT.

As a result we have a great concentration of scientific research and a record for the development of leaders who have learned how to work-with government.

All three science advisors to the President have come from Cambridge. The first, Dr. Killian, and the present advisor, Jerome Weisner, are both from MIT.

Public administration needs a class of scientists and engineers who are good administrators as well as technical people.



Four of the five UAP candidates as they appeared at the press conference in the Library Lounge last Thursday evening. From left to right are: Mark E. Barron '64, Ron Gilman '64, Jerry Luebbers '64, and John (Bill) Morris '64. Marty Tenenbaum '64 was not present.

—Photo by Joseph Baron

Psychologists Use Injuries To Study Brain Functions

By Barbara Cohen

MIT's rapidly expanding Psychology Department is carrying research on the correlation of brain function and behavior, as well as on general experimental, social, and development psychology. Prof. Hans-Lukas Teuber, at the head of the department's activities, is himself especially interested in the study of perception.

The basic technique that Dr. Teuber and his associates use in this work is to look for the correspondence between damaged neural tissue and impaired neural function. Since the last years of World War II, Dr. Teuber has been working with veterans with penetrating brain wounds, ranging from slight to severe.

An important limitation of this method is that it cannot be used for localization of function in a particular area of the brain, just as breaking the leads into an electrical black box do not reveal the source of its output.

The method can, however, reveal a great deal about the way normal functioning of the brain falls apart in the presence of a gap in the neural structure.

Three Regions Studied

Most of Dr. Teuber's recent work has been on problems of visual space perception. Three areas of the brain were investigated: the occipital region, in the back of the head; the frontal region, just behind the forehead; and the parietal region, near the top middle of the head.

Damage to the occipital region interferes with the direct presentation of visual space to the perceiver; damage to the frontal regions interferes with the person's ability to correct his perceptions for the changes which occur as he moves about or tilts his head; damage to the parietal regions disturbs the capacity for representing absent space to oneself, for making and using maps, and for finding one's way about.

It has been known for a long time that



Dr. Hans-Lukas Teuber

in the occipital region of the brain there is an area which maps the retina of the eye in a remarkably precise way. Damage to this region, leads to exactly corresponding areas of blindness in the field of vision. This correspondence might seem at first to indicate a point-for-point (or retinal-cell-for-brain-cell) relationship, known as isomorphism. The work of Dr. Teuber and several other MIT neurologists has tended to show that the relationship is far more complicated.

Blind Spots

A curious phenomenon illustrating this is that the victim of visual blind spots is often unaware of them. If he is shown a field with a line or a repeating pattern running over it, he sees the line as unbroken, the pattern as uninterrupted. Not only does the man see the field as an unbroken whole, but his sub-

jective motions of right, left, center, above, and below are unimpaired, even when the blind areas are extensive, and cover the very center of the field of vision.

It appears that even on this first level of perception, the mapping of information is complex. Much of the information is categorized and prerecorded by then. Somewhere along the way each nerve cell is informed not only of the message of a corresponding retinal cell, but of the messages of its neighbors. In effect, each cortical cell "sees" through the neck of a funnel, which widens out into the field of vision, so that each cell "sees" a good part of the field.

Frontal Lobes

Another set of visual malfunctions can be traced, at least in part, to injuries in the area of the frontal lobes, which are located just behind the forehead. Our visual activities are not confined to bare perception of form and motion, but involve a considerable number of correcting factors.

For instance, when we tilt or turn our heads, the world does not jump crazily as we change our position relative to it. Even though the same lines are being mapped on another area of the retina, uprights still appear upright. When we move towards or away from objects of visual attention, their size stays relatively constant, even while it varies considerably according to strictly geometric proportionality.

Injuries to the frontal lobes impair these functions, particularly the last. Partial damage to that area makes the process over-compensatory. This can be shown in experiments in which the perceiver sets luminous lines to the apparent vertical, while he is tilted in a dark room, or attempts to locate sound sources in an apparent overhead position, while his head and body are tilted.

Corollary Discharge

Recent electrophysiologic studies support a theory invoked by Prof. Teuber

to explain these correcting mechanisms. He assumes that there is a corollary discharge, a stream of impulses from the motor centers to the sensory centers, every time impulses are sent to the muscles. This postulated corollary discharge may in fact permit us to distinguish objectively, between voluntary and involuntary (or reflex) movements; the corollary discharge is present in voluntary and absent in involuntary movements. Thus, when we push against our eyeball, the world jumps, but if we move our eyes voluntarily, the corollary discharge prepares the visual centers for the expected shift, and stabilizes the field.

It appears that this corollary discharge is involved in perceptual learning. Prof. Richard Held, of the MIT Psychology Section (formerly Chairman of the Psychology Department at Brandeis), has carried out some experiments which disrupt the normally expected relations between movements and sensor inputs.

He put prismatic goggles, which displace, distort, or invert the image received by the eye, on human subjects. Not only did the subjects see the world displaced, but motion of the head made it swing dizzily. If the subject moved about with the goggles on, he eventually became adapted to them. He moved and saw almost normally. When the goggles were removed, the same difficulty ensued, but in reverse. He had to learn to move in a normal world, which again swung madly with each movement. This time the re-adaptation took a much shorter time.

When the subject was not allowed to walk about, but was pushed in a wheelchair, and restrained from voluntary movements, he never adapted to navigating in a distorted world. Experiments on young kittens, performed by Professor Held and Dr. Alan Hein, show that these animals never develop proper perception if they are not permitted to correlate sight with voluntary movement.

Parietal Lobes

A third cause of perceptual disturbances is injury to the parietal lobes, under the top of the skull. Losses here affect the ability to react to abstract or remembered space, to use maps and to carry out symbolic thinking. This may express itself in the inability to read and follow maps, to navigate through one's surroundings, to distinguish left and right, and to name and locate parts of the body.

The physiology of abstract thinking, learning, and remembering is still mysterious. Until these processes are understood, the function of the parietal lobes will not be clear. It is for this reason Prof. Teuber and his group are not limiting their efforts to the neurology of perception, but are now attempting to define some of the neural correlates of learning.

Prof. Teuber, who was born in Germany, received a medical degree from the University of Basel in Switzerland and a Ph.D. from Harvard University in 1951.

Bulk Of Problems Personal

Committee Considers Probation Cases Individually

By Gene Sherman

Probation is one of the most flexible of all academic policies at MIT. Since admissions standards should qualify only those students who are actually capable of progressing at normal pace at MIT, the Committee on Academic Performance has explored the problems of the student facing academic difficulty.

At present the committee has no set cumulative average which places a student on probation. Probation connotes an Institute suggestion that the student scrutinize his academic position. This period of scrutinization may be a prelude to disqualification, although the Committee on Academic Performance attempts to guide all students through probation without seriously considering disqualification.

Those working with probation readily points out that probationary circumstances vary according to the individual. Prof. Alan J. Lazarus, a member of the committee, explained that each case brought before the committee is considered individually.

The student's record is examined, and his advisor discusses the student with the committee so as to shed light on the problems involved. The committee expects that a student should remove himself from the probationary period after one term, but rarely is a student ever penalized for remaining on probation for more than one term.

The underlying thought is that a student should maintain a level of scholastic excellence commensurate with the standards of MIT, and only when a student

loses sight of these standards is disqualification employed.

The fact that most difficulty leading to probationary standing results during the freshman year confirms a basic belief that the underlying element is a non-academic one. Roland B. Greeley, Director of Admissions, noted that "the bulk of the problems lie in the personal area."

Dean Robert Holden added that "identity and environment play a strong role in the student's academic stability." To pinpoint the true cause of academic difficulty is an impossibility, but the most general factors seem to be self-understanding and maturity. Greeley commented: "The student who is not mature enough to seek advice is not suited for MIT."

He went on to say, "I don't

advocate a situation that pushes the faculty at the student, but steps should be taken to increase the student's realization of faculty counseling."

Approximately 60 students of the Class of 1966 are now on probation. Throughout this term these students will work directly with both the Admissions Department and the Deans' Office.

At this point the Admissions Department still has a fundamental responsibility to the secondary school, and working with the Freshman Advisory Council the Admissions Department attempts to investigate each individual situation. In essence, three major methods are employed: special tutoring, consultation with advisors and instructors, and psychiatric consultation.

Radiochemistry Research Transferred To \$600,000 Laboratory

By Gary Spittal

The Radiochemistry Laboratory has moved from Building 6 to new facilities in NW13 during the past month. Located on the second floor, the new laboratories were constructed at a cost of \$600,000, financed jointly by the National Science Foundation and MIT.

The building, which is located next to the nuclear reactor, was acquired by the Institute almost three years ago. Construction of the radiochemistry facilities began in the winter of 1962, when the application to NSF for funds was approved.

Prof. Charles Coryell, Prof. John Irvine, and Prof. Glen Gordon, of the Department of Chemistry, are in charge of the laboratories.

The new facilities include seminar rooms, 12 two-man labs, three counting rooms, a "hot" lab, and a permanent laboratory for the radiochemistry course, 5.091. Another lab, now being constructed at the cyclotron, will also be a part of the facilities.

Design of the labs was complicated by the necessity of containing radioactivity within specified

areas, primarily the hot-lab facilities. Much of the problem was solved by constructing the air conditioning system in such a manner that the labs are maintained at a lower pressure than the surrounding halls and offices.

The greatest advantages of the new facilities are the availability of critically needed space and the proximity of the labs to the reactor. The department is currently considering the feasibility of directing connecting the hot lab to the reactor by a pneumatic tube system, to enable researchers to work with isotopes having relatively fast decay.

The Radiochemistry Laboratory is concerned primarily with the intense study of nuclear fission, of the decay schemes of short-lived substances, and with tracer studies of chemical interactions.

Some 15 to 20 graduate students and 3 or 4 post-doctoral researchers will work in the facilities. Research funds come primarily from the Atomic Energy Commission through the Laboratory for Nuclear Science at MIT.



Curt Bernis (5.091 instructor) manipulates radioactive material in the hot lab using a specially designed glove box. Pneumatic tubes from the reactor will one day bring short-lived isotopes into this room.

—Photo by Steve Teich

Institute May Establish New Dorms, Says Wadleigh

Plans to establish a temporary men's dormitory, to accommodate next year's estimated overflow of about 100 students in need of housing, are under active consideration.

Speaking last Wednesday evening for the Burton House Forum Committee, Dean Kenneth R. Wadleigh expressed the hope that a definite announcement may be made within a month.

Longer-range plans for undergraduate housing call for remodeling and construction in the east campus. In particular, the two parallels of the Alumni Houses may be connected.

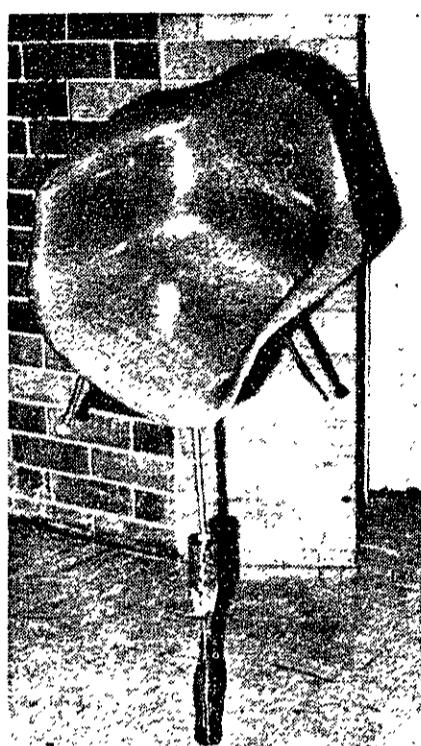
Also, Wadleigh indicated it is possible that a new west-campus dorm may be built, probably west of Burton House.

Since there is no provision for funding of male undergraduate housing in the Second Century Fund, these plans are necessarily dependent on future financing programs. Speaking of the need for donations for a new dormitory, Wadleigh pointed out that the most favorable financing plan using borrowed capital might require a rent increase of as much as \$100 per year for every room in the dormitory system.

Wadleigh also mentioned the Ryer Report, a 1956 study of student housing which emphasized closer student-faculty ties and the transfer of all undergraduate housing to the west campus.

Although the Institute strongly supports efforts to improve student-faculty relationships, Wadleigh stated that the recommendation to move all undergraduates to the west has been abandoned.

At Engineering Seminar



First floor Bakerites balance chairs on soda bottles last Wednesday to demonstrate 8.02 statics theorems.—Photo by Steve Teicher

Lodge Speaks On Alliance For Progress

By Joseph Sullivan

George Lodge, recent candidate for United States Senator, spoke on the Alliance for Progress before the Inter-American Seminar in Civil Engineering last Thursday in Room 1-390.

Mr. Lodge reviewed the stages through which United States foreign policy has gone since World War II. At the end of the war, the United States had no world operations in foreign aid.

He went on to compare the economic situations in Europe and Latin America during the post war period, and concluded that the Marshall Plan would not have worked in Latin America.

Europe had everything to rebuild an industrial society except the capital. On the other hand, Latin America had no foundation from which to build a strong economic complex.

He said that the United States proceeded slowly in aiding our southern neighbors because we realized that financial aid would have to be accomplished by technical assistance.

He criticized our attitude during the 1950's by saying that we were on the side of the status quo. We were slow in realizing that the United States had more

of an obligation in Latin America than just economic aid.

"We must promote democracy in Latin America by going in the business of revolution." He added that "technical aid will always have a political effect."

Talking on the current Alliance for Progress, he said that it is extremely difficult for the United States government to "get tough" with many countries which are not cooperating with the alliance.

The United States had failed to manipulate all the "levers" to promote democratic revolutions.

One example of a "lever" we have not used is labor unions. Many of the present leaders of Latin American countries rose to power through the labor movement. Lodge urged that the United States take an active part in helping the labor unions in increasing the standard of living in each country, in keeping the country free from Communist influences, and in building up democratic ideals in the people and government.

He praised the work of civil engineers in Latin America, and urged that an even greater effort be made to construct roads and other public works.

He ended his lecture by saying

Freshman Section Leaders Elected

Freshman section leaders have been elected in all but three sections. There is no Section 28. Results of the upcoming elections in Sections 10, 24, and 26 will appear in next week's issue of The Tech.

Section Leader

- 1 Daniel F. Dredick
- 2 Dennis W. Sivers (PDT)
- 3 Diane MacUnovich (Students' House)
- 4 Marion L. Wood Jr. (KS)
- 5 Michael H. Marx (ZBT)
- 6 John M. Mills (EC)
- 7 Charles K. Epps (PDT)
- 8 Peter M. Cukor (PMD)
- 9 Kenneth J. Kepchar (Burton)
- 10 John H. Turner Jr. (SN)
- 11 Robert L. MacDonald (BTP)
- 12 Henry F. Schaefer (SAE)
- 13 Richard L. Clark (LCA)
- 14 Robert A. Frankel (PMD)
- 15 Michael J. Romney (SPE)
- 16 James R. Wertz (Burton)
- 17 William O. Cain (PSK)
- 18 Harold J. Helfand (EC)
- 19 Michael D. Kinkhead (ATO)
- 20 Henry H. Perritt (SAE)
- 21 Richard E. Sayre (DU)
- 22 John M. Davis (PDT)
- 23 George R. Berbecio (ZBT)
- 24 Joel D. Talley (Burton)
- 25 John P. Stempel Jr. (PKT)
- 26 Joseph F. Adolph (Non-res.)
- 27 Victor L. Rosenberg (PKS)
- 28 Joseph W. Dickey (DTD)
- 29 Donald K. Schwanz (PGD)
- 30 Ralph G. Schmitt (SAE)
- 31 Robert S. Rea (SC)

- Alternate
- William H. Marlow (Sr. H.)
- Robert W. Thomas Jr. (Burton)
- Thomas H. Brylawski (AEPI)
- Paul M. Ruby (DU)
- Robert M. Taylor (SAE)
- William A. Hamilton (PGD)
- C. T. Breckheimer (EC)
- John S. Sowle (SPE)
- Douglas D. Wilson (PGD)
- James E. Butler (PKS)
- Franklin W. Hoffman (EC)
- Edward F. Lucas (ZBT)
- Richard E. Palmer (SAM)
- Richard E. Reese (SN)
- John W. Rosenthal (EC)
- Kenneth W. Estridge (PiLP)
- David M. Penny (EC)
- Carson K. Eoyang (Sr. H.)
- Morton E. Sherman (ZBT)
- Stuart C. Shapiro (Baker)
- John E. Esterli (Burton)
- Russell P. Wertz (LCA)
- Jeffrey S. Levine (AEPI)
- Lawrence W. J. Schwoeber (PKT)
- Steven D. Stellman (Baker)
- Barry P. Skeist (Sr. H.)
- Carl Jones (Baker)
- Gary O. Anderson (PMD)
- Jay L. Lazar (DKE)
- Thomas G. Franzel (TC)
- John K. Freeman (PGD)

Burton's Ranier Wins As Write-In In Dorm Elections

Dormitory elections Tuesday, February 26, were highlighted by the victory of John Michael Ranier '64 in the Burton House presidential race.

Ranier, a Course-18 major, had entered the campaign as a write-in candidate at 10:00 the previous evening. He defeated opponent George Schmidt 284-179.

Elected vice president of Burton House was Robert Howie '64, a Course-8 major. The office of vice president, a newly created position, combines the duties of Dormitory Council representative and house treasurer.

The new president of Baker House is Robert H. Scott '64, a Course 14B major. Leonard G. Buckle '64, Course 6-1, was elected vice president. The chief duty of Baker's vice president is to serve as Dormcon representative.

Elected president of East Campus was G. Wayne Thurman '64, a Course 4-A major. Dormcon representative is Jim Thompson '65, Course 15.

Senior House returns showed Frank Darmory '64, a Course-5 man, elected president. Dormcon representative is Paul Gilmartin '64, a Course-8 major.

Burton House is the only dormitory where the duties of house treasurer are handled by the vice president. Each of the three other dorms has a separate office of treasurer.

Student Offices Elections To Be Held Next Tuesday

Elections for Undergraduate Association President and the various class officers will be next Tuesday.

The polls, in Buildings 2 and 10, will be open from 9:00 a.m. to 5:00 p.m. On presentation of his registration card, each voter will receive a ballot for UAP and another for the officers of his class.

The list of candidates is as follows:

UAP	Permanent secretary	John P. Proctor Jr. (TC)
Mark E. Barron '64 (EC)	Mark Epstein (SAM)	Bill Samuels
Ron Gilman '64 (ZBT)	Raphael Soifer (EC)	Vice-president
Jerry Luebbers '64 (SPE)	Rich Weiner (AEPI)	Warren Anderson (SAE)
John (Bill) Morris '64 (PDT)	Permanent treasurer	John A. Christensen (Baker)
Marty Tenenbaum '64 (Sr. H.)	David G. Johnson (Non-res.)	Dick Schmalensee (PGD)
	Stephen Kaufman (PiLP)	Frank Yin (DTD)
	Class of 1963	Secretary-treasurer
	President	Bob Menzies (SAE)
	Steve Glassman (Baker)	Dick Tsien (BTP)
	Permanent vice-president	Class of 1966
	Robert Vernon (LCA)	President
	Permanent executive committee	Franz Birkner (DTD)
	Elliott Bird (AEPI)	Monty Graham (Burton)
	Juan J. Calvo (Baker)	Class of 1965
	Jim Champy (PKS)	President
	Steven R. Dittmeyer (EC)	Thomas O. Jones (SC)
	James E. Evans (DU)	Vice-president
	Jack Solomon (Baker)	Hank Perritt (SAE)
	Peter Van Aken (Baker)	Don Schwanz (PGD)
		Gene Sherman (ZBT)
		Secretary-treasurer
		Ken Browning (SAE)
		Jeff Trimmer (PGD)
		Rob Wesson (Baker)

Joint Center For Urban Studies Receives Grants Of \$1,000,000

(Continued from Page 1)

history of urban land policy in American cities. Martin Anderson, formerly of the School of Industrial Management at MIT has just completed a study of the role of private investment in urban renewal.

Prof. Charles Abrams, of the School of Architecture and Planning at MIT, is also conducting a comprehensive evaluation of the national policy and programs for urban renewal. Nathan Glazier and Daniel Moynihan will soon publish a study of how second and third generation ethnic groups are now faring in New York City.

Urban Design

The second area of research at the Joint Center is urban design. Studies are made of the forces which shape the physical environment of cities, and the ways in which elements of this environment can be designed to serve public purposes. Researchers active in this area include: Kevin Lynch, associate professor of city planning at MIT, who has analyzed citizens' images of the metropolitan region and how environments at the metropolitan scale can be given visual shape and form, and Serge Chermayeff, former professor of architecture at Harvard, who has investigated new kinds of individual urban houses and groupings of houses which will combine high-density population with amenity and privacy.

Urban Technology

The third area of research is urban transportation and technology. The Joint Center seeks to develop a framework for analyzing future changes in transportation. Researchers in this field include:

Aaron Fleisher, associate professor in city and regional planning at MIT, who is investigating how the form of the city and the transportation network affect traffic generation and whether optimum systems of transportation can be developed for different patterns of land use; A. Sheffer Lang, formerly of MIT's Department of Civil Engineering, and Richard Soberman, a graduate student here, who have been analyzing rail transit systems in terms of their ability to accommodate the transportation needs of cities; and William Nash, assistant professor city planning at Harvard, Marvin Manheim, instructor in civil engineering at MIT, and Roland Greeley, profes-

seor of regional planning at MIT, who have also examined current techniques for handling analytical and physical problems involving land use and transportation.

Developing Countries

The fourth area of study is urban and regional problems in developing countries. The Center is particularly interested in the ways in which rapid growth — both urban and regional — can cause bottlenecks which impede programs of economic and social development. The principal project in this field is the development of the Orinoco-Caroni region in Venezuela. In addition, Prof. Abrams is studying the housing problems that result from rapid urbanization in several developing countries. His book, ("Struggle for Shelter"), will be published soon.

The Joint Center carries out its general program in several ways: urban scholars are attracted to the faculties of the two universities under joint research-teaching appointments between academic departments and the Center; support is made available to qualified advanced students at both schools for approved research projects; a limited number of scholars and practitioners are brought to the Center each year as visiting associates to pursue individual research and study programs; and special seminars and conferences are held to bring together professional and academic people to discuss topics of mutual and current interest.

Sources of support for the Joint Center's projects include the Municipal Manpower Commission; the United States Department of Commerce, Bureau of Public Roads; the New York Post Foundation; and Resources for the Future.

In an extensive program of publications 35 reports, monographs and books by members and associates have been published by the Center, the M.I.T. Press, and the Harvard University Press. The Center's offices are at 66 Church Street, Cambridge.

New Student Directory Available This Friday

Copies of the March, 1963, Student Directory will be available at the Information Office, Room 7-111, beginning Friday, March 8, according to J. I. Mattill, Director of the Office of Publications.

The Tech Supports Morris

(Continued from Page 1)

experience than all the other candidates combined. His experience in the MIT Debate Society has given him close contact with several hundred students from many dozen colleges.

His experience in debate is also a good indication of the effort he is prepared to devote to the office, and the results his efforts will bring. Last year, Morris spent fully 35 hours a week preparing debate cases, became nationally known for his ability and qualified to enter the exclusive National Debate Tournament at West Point.

In addition to his obvious personal qualifications, Morris has taken the strongest stand on the most significant issue in the campaign: how to provide more opportunities for MIT students to work and study in other parts of the world.

The personal benefit which every MIT student who spends several months living in another part of the world is great enough to make this the most important program that Inscomm will handle in the coming year. We believe that Morris will take the most action to provide these opportunities for MIT students.

The only possible second choice UAP is Jerry Luebbers. A member of Finboard, he is just slightly better informed than Morris. He has had experience ad-

ministering a \$70,000 annual budget for his fraternity. Luebbers is a personable fellow and makes a good impression. He is qualified to be a good UAP.

Ever-smiling Ron Gilman had no new programs or new ideas. He's everybody's friend and a real nice guy, but not dynamic enough to make a good UAP. We were surprised when this Inscomm member did not know that discussion of X-Factor was coming up this week.

We are not convinced that he can provide the drive to move a sluggish Inscomm. Gilman's bright spot is a financially sound Junior Prom while he was class president.

Mark Barron raised some good issues: MIT's academic atmosphere can be improved. However, we do not feel that he is personally qualified for the job. He is totally uninformed on student affairs and activities and government.

Marty Tenenbaum felt the most important issue in the campaign was Springfield Oval. We hope the students will elect a more mature man. Tenenbaum's aim was to protest against the student government and the administration; perhaps the students, in turn, will protest against Tenenbaum. Uninformed and petty, he has nothing to offer to the office.

On balance, Morris is significantly better than any of the other candidates. We urge all students to vote for Morris.

To the Editor:

It is traditional that a UAP candidate declare himself against the present UAP, or at least some phase of his government. I intend to follow that tradition explicitly.

I do so because Mr. Bowman epitomizes the most injuring attitude toward the student of MIT.

There are two ideas of student government. There are those who believe that if you will only legislate to give the Institute a "good name," this prosperity will leak through on those students below. My idea, however, is that if you legislate to make the students prosperous, their prosperity will

find its way up through to those who rest above.

"Student government cannot begin to ask for assistance from the administration until it has men in its ranks who are interested in developing & propelling projects," says Mr. Bowman. Evidently he is speaking of himself, for what has he done to rid the Institute of such scourges as Springfield Oval? It is strange, but helpful to my candidacy, that Mr. Bowman admits his own lack of interest.

J. M. (Marty) Tenenbaum
Candidate for Undergraduate Association President

Inside Inscomm

How To Choose A New UAP: First A Man, Then A Program

By Woody Bowman

In the next two weeks all of us will be faced with the decision of stating a preference for the next UAP. Before we can say who it should be, we should ask what he should do. When I vote, I will want a man to do the following job.



He must be persuasive and friendly. The grandest program is worthless if he cannot convince those who will be effecting the program of its merit. There will be differences of opinion among key people which must be resolved. This also means that he must be decisive; He must be able to impartially and imaginatively evaluate all ideas, including his own. He especially must be receptive to new ideas. He will have to show enthusiasm in sponsoring an idea. He will be continually deciding when he should act and when he should not. He will have to place himself in the position of all committee chairmen and sketch an outline for any project so that he can evaluate the performance of any chairman and offer advice at appropriate times.

Finally, there is a misconception I would like to dispel. It is sometimes said that the UAP is the student representative of the student viewpoint to the administration. There will be perhaps one of two cases which this will describe adequately. Student opinion is seldom, if at all, mono-

lithic. This is complicated by the fact that many students have access to points of decision-making within the administration and their opinion is often well respected.

There is some truth in the description, but only to the extent that the UAP should be able to state clearly several schools of student opinion and to cast his lot with one of them without neglecting the others.

How can a person be evaluated in terms of these abstract notions? By his platform and personal presentation.

His ideas should seem sound and well thought out. His comments on current student opinion should not be superficial. He should be able to explain his generalities (which are impossible to avoid in a brief statement), such as "encourage," "communicate," "strengthen," etc.

He should admit a sound position held by another candidate, but add an invention strictly his own. If he presents a point with which you basically disagree, does he present it in a manner such that you feel that by sitting down and talking an accord or compromise could be worked out? Or does he antagonize?

The basic element is subjective in the analysis of any candidate. On the other hand, his co-workers, upon whom he will be dependent, will make similar judgements.

The main point is you are electing a person first, a specific program second.

Successive Elimination

2nd, 3rd Preferences May Decide Election

Student elections at MIT utilize the preferential ballot system; many have heard of it, but few understand it. The system works as follows: The ballot lists all candidates whose petitions have been validated. Beside each name is a blank or box in which the voter is to indicate his preference, marking "1" next to his first choice, "2" next to his second choice, and so forth.

The voter is requested to indicate preferences for all candidates, but is not required to do so.

Requisite for a victory is a majority of all votes cast, excluding voided ballots. Should no single candidate have a majority after the first tally, based solely

on first-choice votes, the redistribution begins. One at a time the candidates having the fewest votes are eliminated, and their votes are counted as votes for the candidates given second-choice preference.

For example, suppose candidates A, B, C, D, and E run for the same office and finish in that order; suppose that none of these has a majority of first-place votes. Since E had the smallest total, his votes are redistributed: Those with A marked second choice are counted as votes for A; those with B as indicated, as votes for B; and so on.

Should there still be no one with a majority, D's votes would be redistributed in like manner. Some of D's ballots, however, may be ones which gave first preference to E, and came to D on the first redistribution. These now go to the candidates indicated as third choice. If, at any point in the process, there are ballots to be redistributed which have no further preferences indicated, these are discarded. This process then continues until

(Please turn to Page 5)

THE TECH

Vol. LXXXIII No. 5 Mar. 6, 1963

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Joseph Hanlon '63	

Unsigned editorials in The Tech are the opinion of The Tech's Board of Directors, not that of MIT. The Tech welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed, but names will be withheld upon request.

Deadlines: Noon Thursday—advertising; 3:00 pm Saturday—features, activities, letters to The Tech; 11:00 pm Saturday—photography; noon Sunday—sports, entertainment; 7:00 pm Monday—news.

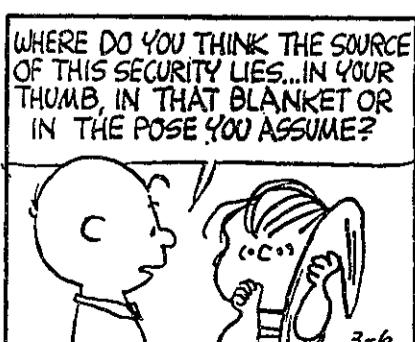
The Tech is pleased to announce the election of Richard Schmalensee '65 to the Board of Directors as Features Editor. Schmalensee, an Economics major from Bellevue, Illinois was previously Acting Features Editor.

Your Preference?

The preferential balloting system, when properly used is quite beneficial; when not well understood, it is treacherous. When faced with four or five candidates, most voters indicate only first and

We recommend considering each redistribution as a new election. Ballots with no preference marked for the remaining candidates would be voided, as are blank ballots in the initial count. Thus a victory would require only a majority of the remaining votes, not a majority of the total votes cast.

The problems mentioned above may very well come up in the forthcoming UAP election. We recommend that Inscomm adopt the above solution now, as it is the only one which will easily, sensibly, and fairly always assure us of having a winner.



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Combined Choruses Give Concert

By Benjamin Bossin

The Smith College Choir joined forces last Sunday with the MIT Glee Club, to give an excellent rendition of Poulenc's "Gloria," and a somewhat less satisfying reading of the well-known Cantata No. 4 of J. S. Bach.

Francis Poulenc, who passed away only about five weeks ago, believed that sacred music should be joyous rather than dull, and wrote accordingly. The "Gloria" is sometimes regarded as an extreme expression of this attitude; but singers, though they may approach it with caution, usually perform it with an exhilarated sense of having discovered something truly new in music.

The combined choruses fulfilled Poulenc's wish for reverence through exuberance. The audience was immediately electrified by the bizarre beginning and the energetic excitement of the per-

formers, a spirit which prevailed throughout the piece.

The first phrase, "Gloria, in excelsis Deo . . ." begun by the bass section, got the work off to a vigorous start. The second section, "Laudamus Te . . ." created even more momentum with its almost primitive lack of inhibition, while the players demonstrated to the listeners that they were not at all uncomfortable in this medium. They possessed great rhythmic sense, and handled difficult passages adroitly. The third section is a fantasy with a soprano soloist, the chorus and orchestra providing support. The soloist, Adrienne Auerswald, was quite competent musically, but her apparent lack of interest was sometimes distracting. Though the moods alternate often after this point, Poulenc is able to introduce various musical devices without having the piece degenerate into a patchwork quilt. The work was well-performed and well-received.

The Cantata No. 4 was presented only adequately in that the performers rarely seemed fully involved in what they were doing.

SMITH COLLEGE CHOIR and MIT GLEE CLUB: "Gloria," Francis Poulenc, conducted by Miss I. Hatt, Adrienne Auerswald, soprano soloist; Cantata, No. 4 "Christ Lag in Todesbander J. S. Bach, conducted by Kla Liepmann.

ing; consequently not enough excitement was generated in audience. There can be little argument with Bach, but he is marred by inattention and imprecision.

Bach scores several sections of the cantata for solo parts and for duets of parts, both for variety and, no doubt, to test the mettle of his choruses. The sopranos best withstood this test, while some weakness in the tenor section was disclosed.

The concert generally was quite enjoyable, and it was evident that more interest exists outside MIT, than within.

Cafe Yana

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Feb. 27—Rolf Cahn.

March 9

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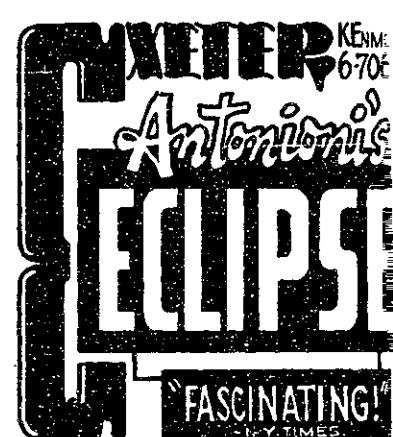
Mar. 6-7, Bobby Clancy and Shor Collen, Irish traditional music.

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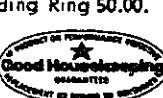
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'Sins And Needles': A Composite Of Many Contrasts

by David G. Johnson

Tech Show 1963 is a composite of contrasts. In 'Sins and Needles' the excellent contrasts with the mediocre. This show has a higher entertainment level than Tech Shows of recent years, but it also has contrasting high and low spots. Several aspects of the show compare favorably with professional musicals, but other facets are singularly uninspired.

Wendy Wolfe, in her third year as leading lady, certainly carries the show. Her characterization is strong, but her character is weak. Her singing is excellent, but her speaking lines are too few. The success of 'Sins and Needles' depends entirely upon Miss Wolfe, and she accepts the duty with finesse.

Wendy plays the only role which is always audible. She executes her movements and songs with surety. Although it is a joy to watch Miss Wolfe, the second act depends upon her so much that she tends to cloy. But she is superb. Without Wendy Wolfe or someone like her, the show would flop around and eventually die, as a chicken without its head.

The most obvious contrast is the strengths of the leading players as opposed to the chorus. The chorus is usually unsure but always weak.

Contrasting with the insecurity of the chorus is the confidence and poise of Ronald Bechtol, the leading man. This handsome fellow exhibits good diction and a poised stage presence. His manner helps to make his solo, "M.D. That's Me," and his duet with Wendy, "Love is a Disease," two of the better songs of the show. While Ron Bechtol was on



Nurse Kathy Henderson (Wendy Wolfe) takes the temperature of obstinate Patient George McGrab (Leonard Rubinstein) as adoring Orderly John Randolph (Ronald Bechtol) looks longingly on.

—Photo by Curt Wiler

stage, 'Sins and Needles' took on a realism that was usually sadly lacking.

A contrast to Mr. Bechtol's easy manner is that of Howard Ellis, who plays the role of head surgeon of the hospital setting for the musical. Mr. Ellis' movements often seem stiff and exaggerated. Nevertheless Howard developed many mannerisms for his character. He smoothly projects several very difficult lines.

On the other hand, a role of someone from the warmer regions below not only allows, but requires, a departure from reality. Here is where very heavy characterization is an asset. Michael Jacobs portrays the Devil's agent with gleeful guile. Mr. Jacobs is definitely the top male performer.

The low point of the whole show is the scene in the operating room. This scene is fraught with possibilities, but no more

than possibilities. Other than a good Medicare "sight joke" and a good lighting effect, this scene has little to recommend it. The operation itself is a second rate abbreviation of the old adolescent skit in which carpenter's tools, yards of twine, etc. are silhouetted implements and products of an operation. The set itself is a strong contrast to the suggestive furnace room set. The operating room set consists mostly of an attempt in plywood to create an operating amphitheater.

The attempt fails, yielding a skeleton of a set on a yawning stage. Proper use of curtains to frame the top and sides of the set would allow a smaller and more effective set. Elimination of a superfluous dance entry of the patient would also allow such a smaller set to be adequate.

The most pronounced contrast of the show is the difference between this operation scene and a

SINS AND NEEDLES: written by Deloss Brown and Michael Jacobs; produced by Michael Platt; directed by Robert Lanchester; music and orchestration by Edward J. Madden, Fred Prahl, and Steve Stellman; lyrics by Deloss Brown, Ken Estridge, Michael Jacobs, Edward J. Madden, Leonard Rubinstein, and Steve Stellman; musical direction by John Corley; choreography by Nancy Eisen; set design by Richard Krasin; at Kresge Auditorium.

CAST
 Dr. Arkwright, Head Surgeon Howard Ellis
 Interns or Orderlies, Apparitions Ken Estridge
 Adrian Spidell Tom Survilla
 Clarissa Barrington, Head Nurse Lesley Gillman
 Nurses, Dream Girls Randy Baris
 Michelle Calesse Vickie Kliener
 Michele Strauss Fran Allerhand
 George McGrab, Patient Leonard Rubinstein
 Kathy Henderson, Nurse Wendy Wolfe
 Miranda Brewster, Nurse Judith Scott
 Nurses Kristine Blum
 Joanne Collins
 Donna Sheldrick
 Witherspoon, Fiend Peter Anderson
 Dr. Reginald Thorndike Peter Anderson
 John Randolph, Orderly Ronald Bechtol
 Indian Charles Elias
 Showgirl Joan Sher
 Navigator Peter Morris
 Flirt Fern Olin
 Scout Peter Zilles
 Jennifer, Angel Janina Mukerji
 Coffee Grinder, Patient Nancy Eisen



A wedding toast to themselves is sung in the cafeteria by Dr. Reginald Thorndike (Peter Anderson) and Nurse Miranda Brewster (Judith Scott).

—Photo by Curt Wiler

atorium, but a musical needs access to its stage without having to fight what seems like dozens of other organizations for the stage time.

However, a lack of stage time is still no excuse for the failure to use the advantage available to Tech Show over Broadway productions. Tech Show plays to a very distinctive audience for a very short time. Local references and references to specialized current events could effectively be integrated into the script. There is no reason why Tech Show has to be understandable to any locale or generation. Tech Show has once again left its richest source of material untapped. That is no contrast to recent Tech Shows.

'Sins and Needles' is excellent in spots. The top and supporting characters are at least adequate. There is little choreography or ensemble singing, but the extant choreography is very good. This is a short show, but very little garbage has been left in the final product. Although the show does not measure up to the box office ballyhoo, it is still the best Tech Show, on the whole, of the last several years.

This year's Tech Show has once again tried to do a Broadway type show without the necessary time, facilities, and depth of talent. Kresge is a fine audi-

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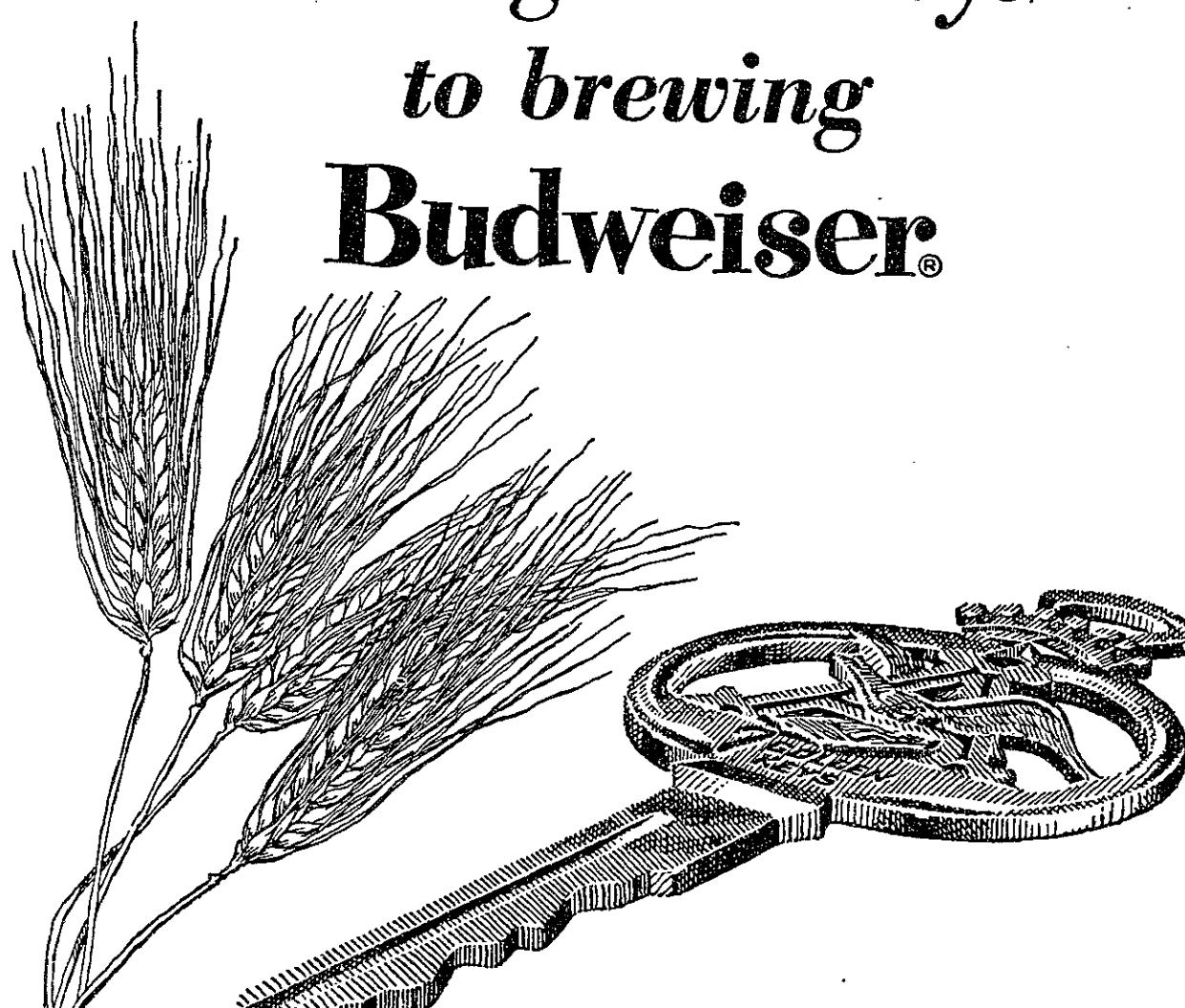
The SCOTT 310D is one of the most sensitive tuners in the world (1.7 uv at -20db quieting) and has extremely low distortion. Frequency response is 1db from 30 - 15,000 cps. This particular tuner was used by the government to pick up signals from Telstar and is the one most used by FM stations for relay purposes.

The SCOTT 335 is top-rated by consumer magazines (as is the 310D). When used with the 310D, this combination guarantees optimum stereo performance and is, in effect, superior to a one unit component.

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WEDNESDAY, MARCH 6, 1963

movies...

'David and Lisa' Based On Actual Psychiatric Case

By Gilberto Perez-Guillermo

A low budget adventure attempted by Frank Perry as director and his wife Eleanor as script-writer, "David and Lisa" has had a well-deserved success. It is by no means a great film, often imperfect and occasionally clumsy; but it is something of a revelation. Frank Perry emerges as a director of great potentiality.

The story is adapted from an actual psychiatric case. An obsessive-compulsive boy meets a schizophrenic girl in a suburban school for mentally disturbed ad-

DAVID AND LISA: produced by Paul Heller; directed by Frank Perry; photography by Leonard Hirshfeld; music by Marc Lawrence; screen-play by Eleanor Perry; based on actual case-story. STARRING

David Keir Dullea
Lisa Janet Margolin
Dr. Swinford Howard Da Silva
At the Beacon Hill Theatre, Boston

olescents, and a curative love develops between them. The film is a fresh effort, often exciting and always moving.

Mr. Perry emerges as an excellent director of actors. That good performances are obtained from Keir Dullea as David, Janet Margolin as Lisa, Howard Da Silva

as the psychiatrist who treats them, and almost everyone involved seems no accident.

Mr. Perry also shows a special talent for constructing scenes. The sequence at the train station is specially moving, a strong censure against the common man's attitude toward the mentally disturbed. Parents also get their share of censure. In an interview with the psychiatrist, David's mother's main concern is to show that she and her husband are not responsible for David's mental state. When she visits David at the school, the scene is particularly revealing. David's parents' argument at the dinner table, overdone as it is, is brought to splendid conclusion with the camera focussed on David's mother as

she complains about his father, David putting an end to the conversation with a strong: "Just shut up!" Another excellent scene takes place in the school yard, when David tells Lisa, when she asks what he sees: "I see a pearl of a girl." it is adequately followed with a scene depicting Lisa's slow realization of her womanhood.

Unfortunately, the succession of scenes is not always so good, and the development seems too fragmentary, with the consequent loss in emotional involvement. The dreams lack the visual richness of those in "Freud." The weakness in "David and Lisa" seems minor, however, and the film is certainly one to see.

Andre Marchal, Blind

Will Perform Tonight At

Andre Marchal, blind organist of Saint-Eustache in Paris, returns to perform on Kresge Auditorium's Holtkamp organ tonight at 8:30.

A native of Paris, Marchal first studied at the National Institute of the Blind. Since then his ability has won him a reputation as the world's finest interpreter of Bach. He has played at Kresge four times in five years.

His program for tonight will be: 'Symphonie,' by N. LeBegue; 'Fantasie,' by L. Couperin; 'Dialogue sur les Grands Jeux,' by Fr. Couperin; 'Piece in mi mineur,' by A. Calvire; 'Quatre Versets sur l'Hymne Ave Maris Stella,' by N. de Grigny; 'Prelude and Fugue in B minor,' by J. S. Bach; 'Chorale No. 2 in B minor,' by C. Franck; 'Communication pour l'Office de la Pente-

THE TECH

HARVARD SQ. UN 4-4580

"Term of Trial"
2:45, 6:10, 9:40
"A Matter of Who"
1:15, 4:35, 8:10
Starting Sunday:
"The Music Man"
2:00, 5:00, 8:00

BRATTLE SQ. TR 6-4226

Russian Film Festival
Today—"The Inspector General" (1953)
Thurs.—"The Mistress" (1953)
Fri.—"The Forty-First" (1957)
Sat.—"Malva" (1957)
Sun.—"The Captain's Daughter" (1959)
Mon.—"Fathers and Sons" (1960)
Tues.—"The Gordyev Family" (1960)
Shows Daily 5:30, 7:30, 9:30
Matinees Sat. & Sun. at 3:30

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blown Flute".
Loeb Drama Center—"The Pageant of Awkward Shadows". March 6-9, 8:30; Wed., Thu., \$1.50, Fri., Sat., \$2.00.
LSC Classics Series—"Hiroshima, Mon Amour" Room 10, 250, Mar. 8, 6:00, 9:00; Alain Resnais, known for Last Year at Marienbad, does an abstract treatment of the relationship between a French actress and a Japanese architect which followed the bombing of Hiroshima.
LSC Entertainment Series—"Battle of the Sexes" Mar. 9 Room 10, 7:30-5:15, 9:30, 9:45. Peter Sellers, Robert Morley, Constance Cummings. Sellers, the trustworthy accountant of a conservative Scottish kilts firm, is annoyed by the new heir to the company, Cummings, who gets rid of the antiquated office methods and installs adding machines, steel files, etc. Sellers sabotages the equipment and devises a perfect crime to get rid of the enemy.
Wellesley College Dance Group—"Impulse", March 8 and 9, Jewett Art Center, 8:00; 75 cents.
MIT Civil Rights Committee—"Conformity and the Crucifix", Room 10-105, 7:30; Free.

MISCELLANEOUS
International Students Association Center—"Ghana, Independence Eve", March 6, 8:00.
School of the Museum of Fine Arts—"Stavros Papassavas", Paintings and Sculpture, March 12-30; 6:30.
North Student Movement—"Boston,

movie schedule
Tues. Feb. 27 through Tues. Mar. 12
(Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except no movies are shown before 1 p.m.)
ASTOR—"The Longest Day," 8:15; Wed., Sat., Sun., 2:00; Sun., 7:30.
BEACON HILL—"David and Lisa," 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00, Sun., 1:30, 3:30, 5:30, 7:30, 9:30.
BOSTON CINERAMA—"The Best of Cinerama," eves., 8:30, mats., Wed. 2:15, Sat. and Sun., 1:30, 5:00.
BRATTLE-Russian Film Festival: Today, "The Inspector General" (1953); Thurs., "The Mistress" (1953); Fri., "The Forty-First" (1957); Sat., "Malva" (1957); Sun., "The Captain's Daughter" (1959); Mon., "Fathers and Sons" (1960); Tues., "The Gordyev Family" (1960). Shows daily 5:30, 7:30, 9:30, matinees Sat. & Sun. at 3:30.
CAPRI—"Freud", 9:25, 11:50, 2:15, 4:40, 7:05, 9:30; starting Mar. 7, Sundays and Cybele", Mar. 7, 5:30, 7:30, 9:30, other weekdays 9:00, 11:00, 1:00, 3:00, 5:00, 7:00, 9:00, Sun., 1:30, 3:30, 5:30, 7:30, 9:30.
COOLIDGE CORNER—"Term of Trial", 3:05, 9:30, Sat., Sun., 1:45, 5:45, 9:45; "Chapman Report", 1:00, 7:30, Sat., Sun., 3:35, 7:35.

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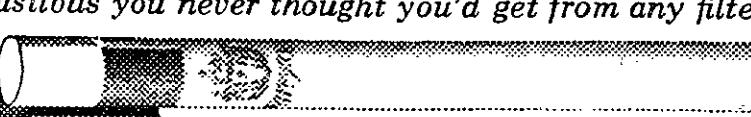
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theatre...

'Pageant Of Awkward Shadows' Modern Chaucer

by Charles Foster Ford

The Phyllis Anderson Award finances a production at Loeb Theatre for the best play written each year by a Harvard undergraduate. Thomas Babe's 'Pageant of Awkward Shadows' is the first award-winning play, and its excellence has proved the usefulness of award itself. For many people, this is the best production Loeb has yet seen.

The play is a modern paraphrase of Chaucer's "Clerk's Tale." It presents Lord Walter as a man so fascinated by the pageant he is writing, and so completely unaware of real life, that he manages to destroy his own happiness, and that of the people he loves most.

Lord Walter is a man so unsure of things that he must test them again and again. The constancy and devotion of his peasant-born wife Griselda is his major concern. He requires her children to be taken from her, for

THE PAGEANT OF AWKWARD SHADOWS, by Thomas Babe, the Phyllis Anderson Award Production. Produced by Sarah Carlyle Dublin, Designed by Peter Prangnell, Lighting by Thomas E. Vachon, Costumes by Olga Liepmann and Lewis Smith, Choreography by Robert Cohan. Music by Michael Ehrhardt. At Loeb Drama Center through Saturday.

CAST INCLUDES

The Stranger	Philip Kerr
Mother Sawyer	Belle MacDonald
Master Eff	Timothy Mayer
Master Gee	Michael Ehrhardt
Lord Walter	Richard Simons
Griselda	Carol Schechtman
William	John A. Williams
Richard	Harry Smith
Alice	Kate Colborn

reasons of state; he divorces her; he commands her to appear as lady-in-waiting to his new bride. She meets each of these tests with selfless acquiescence. But before Walter is fully convinced of this, his neglect of both his wife and his son Richard has destroyed both their lives. In the final scenes, his pageant of the tests of Griselda whirls madly on about him, while he is unable to stop it. This is a powerful meta-

pbor of his clumsy handling of life, and it succeeds as unearthly, excellent theatre.

The production itself is a showcase of the best Loeb Drama Center has to offer. George Hammill has taken a group of mostly inexperienced undergraduates and molded them into a bright, cohesive whole. Robert Cohan's choreography of the pageant scene is the only dramatic use of dance that has been successful in this theatre. The costumes by Olga Liepmann and Lew Smith unite both a feeling of the 14th Century, and the air of mummery. Tom Vachon's lights are an imaginative contribution to Peter Prangnell's suggestive sets. Everyone involved has managed to use the facilities of the Loeb to best advantage.

The acting talent is also a beautifully handled resource. Belle Macdonald (Mistress Sawyer) and Richard Simons (Walter) lend to their parts the ma-

turity and experience of their age; Phil Kerr (The Stranger) and Harry Smith (Richard) reveal much experience on Harvard stages; but Timothy Mayer & Michael Ehrhardt (Masters Eff & Gee) John A. Williams (Lord William) and Carol Schechtman (Griselda) are equally fine, though this is their first appearance on the Loeb Stage.

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movies...

'The Eclipse' At Exeter Street Theatre

By Gilberto Perez-Guillermo
Michelangelo Antonioni is one of the top cinema directors of the decade. The visual beauty of his elaborate compositions, which display a unique mixture of the static and the kinetic; the unorthodox use he makes of objective elements (things, silences, noises, the landscape) in conveying subjective points, at which Antonioni is unequalled on the screen; the penetrating seriousness of his themes and the subtlety of his characters; three qualities give him a unique place among film-makers. Just as Balzac, Zola and D. H. Lawrence have their place in the novel alongside Joyce, so Eisenstein, De Sica, and Renoir have their place in the cinema alongside Antonioni.

'L'Avventura' was, for me, one of the best films ever made. 'The Eclipse' falls short of this standard, but is in any case a very superior work, something of a masterpiece. As in 'La Notte,' the story reaches its full intensity only after a great many impressions have been assimilated. After breaking off a love affair with the man she had thought of marrying, a young working woman, Vittoria, finds herself in the emotionally uneasy state brought about by a painful separation. She tries to join the flow of life, but slowly realizes her inability to communicate. At the Rome stock exchange, where she goes to see her mother, she meets a young stock-broker, Piero. His

THE ECLIPSE; Written and Directed by Michelangelo Antonioni; Screenplay by Antonioni, Tonino Guerra, Elio Bartolini and Ottiero Ottieri; Photography by Piero Poletti; Music by Giovanni Fusco; Produced by Robert and Raymond Hakim. At the Exeter Street Theatre.

Cast

Piero	Alain Delon
Vittoria	Monica Vitti
Riccardo	Francesco Rabal
Vittoria's mother	Lilla Brignone
Stock Agent	Louis Seigner

life is dominated by money, and Vittoria, attracted to him as she is, is unable to break into his world of speculation and investment. The scenes at the stock exchange are superb in their picture of the power of money over human lives, of the frantic emptiness and fragility of the monetary world, which Vittoria senses. The image of her mother is a sad picture of Piero's world. The succeeding sequences, depicting several stages of the relationship between Vittoria and Piero, display Antonioni at the top of his form. Piero, in the midst of his rushed life, answers a phone call. "Hello . . . Hello! . . . HELLO!" He hangs up. It was Vittoria calling, and a cut to her room and her expression gives a splendid picture of their spiritual separation. The same can be said of the car theft sequence, which views a different angle of the problem. The final love sequence, set at Piero's old-fashioned home (in contrast with the modern neighborhood where Vittoria and her former lover live) is masterful. The rhythm accelerates, and the sexual in-

terplay is displayed in all its tormenting gaiety. As she walks downstairs, Vittoria realizes the failure of their relationship. We sense her decision to leave him.

'The Eclipse' is the story of a feeling, rather than of characters. Vittoria has accepted the basic fragility of relationships and the insufficiency of love in a world dominated by money. Thus, Antonioni's points take a very general context.

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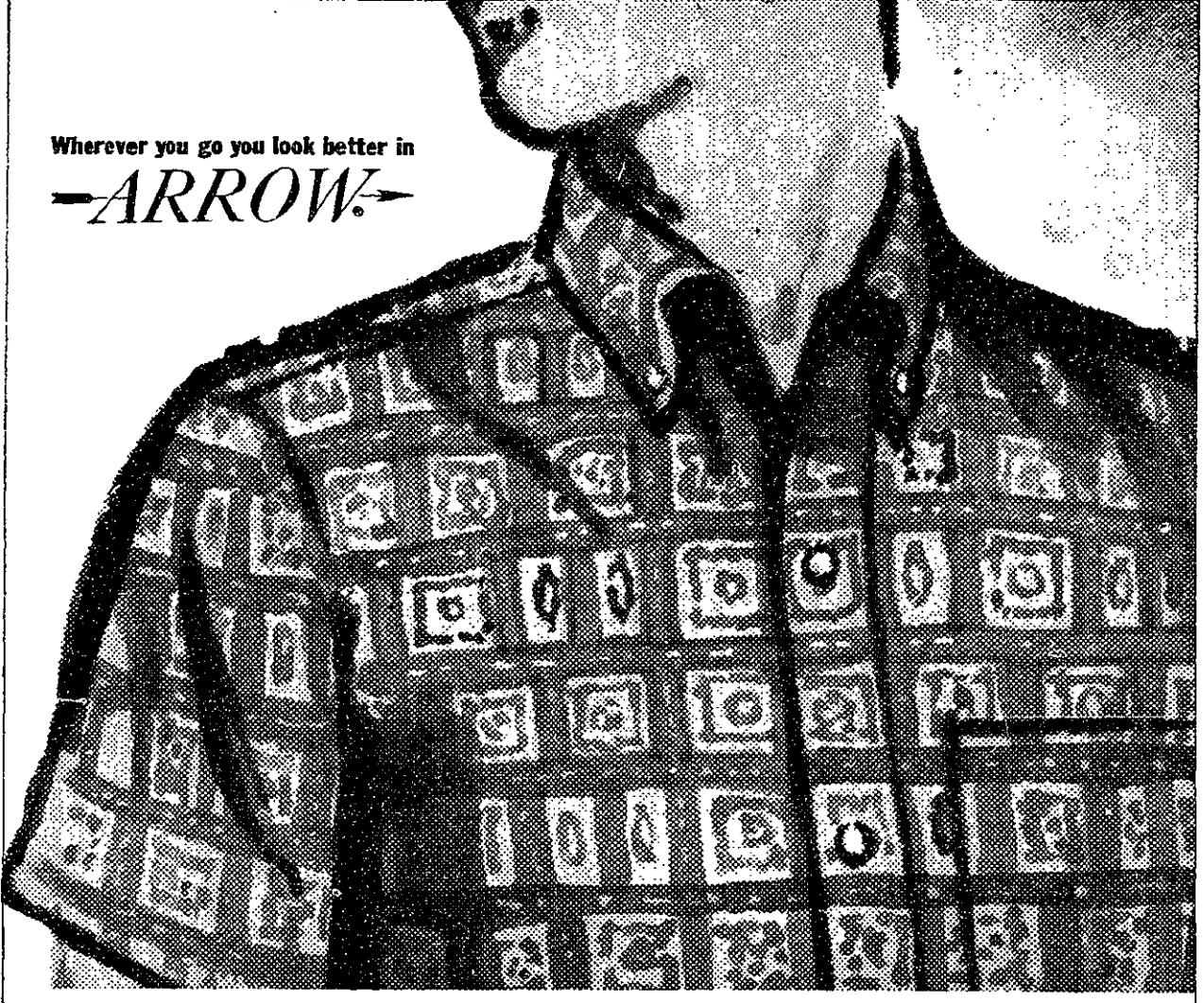


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Another assignment completed and another example of how engineering leadership at Ford provides fresh ideas for the American Road.

with practical student participation in race relations.

The three successive lectures will round out the series on the next three Mondays, ending March 18.

**Wisconsin University
Gets \$1.7 Million
To Build Biotron**

The Ford Foundation announced last week a \$1.7 million grant which will be used in the construction at the University of Wisconsin of a biotron—a facility providing controlled climate conditions for studying the growth, reproduction, and behavioral responses of plants and animals.

The first lecture, presented February 11 by M. B. Bloy, Episcopal chaplain, was 'A Tale of Two Ladies.' It presented the complexity of the Negro problem in America, with its political, social, and economic implications. The second lecture, 'Face to Face' pointed out the elements in society helping or hindering the situation.

'Fourteenth Generation Americans,' the most recent lecture, gave a brief history of the Negro problem in America. The discussions following the films dealt

The equipment will simulate rain and snow, the arid heat of the desert, the humidity of the jungles, the pressures of high altitudes, and the turbulence of storms. Within its laboratories, researchers will rear healthy and diseased plants and animals, ranging from insects to mammals, under actual or artificial daily and seasonal cycles.

Although there are now several phytotrons—facilities with controlled environments for plants—the biotron will be the world's first instrument to permit the controlled environmental study of both plants and animals.

It is expected that the biotron will be used for studies of the many phases of agricultural crop production and protection; hibernation in insects and mammals; the role of environment in animal, plant, and human disease and therapy; basic population problems through investigations of small-animal populations under controlled conditions; the responses of plants, animals, and man to closed environments as used in space vehicles or to simulate extra-terrestrial environments.

According to Carl Borgmann, director of the Foundation's program in science and engineering, "The biotron will enable scientists to simulate normal environments and to produce abnormal or hypothetical conditions.

"And because changes in environment can be produced precisely and at will, it will be possible to identify quite accurately the nature of the relationship of environmental factors to physiological processes."

**Intramural Badminton Starts
As 24 Teams Participate**

One week has passed in the Intramural Badminton playoffs, and the teams to watch seem to be the Chinese Student's Club and Graduate House.

There are 24 teams participating this year. The playoffs are being run as a double elimination contest instead of the league-type play.

Last Week's Results
Chinese Student's 2. TDC 0
Grad House 3. LCA "A" 0
Baker "A" 1. ATO (Forfeit)
Sr. House. TEP (Forfeit)
LCA "B" 2. SAE 0
Burton "A" 1. SPE (Forfeit)
PBI 2. SPE 0
Baker "B" 2. LCA "C" 0


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Course XXI Society Will Hear Stahlman On Early Astronomy

William D. Stahlman, '48, will lecture for the Course XXI Society on the contribution of modern methods of calculation to early astronomy at 8:00 p.m., Monday in the Library Lounge. The talk is open to the public. Stahlman, formerly a member of the MIT Department of Humanities, is professor of the history of science at the University of Wisconsin. He has completed three books on early astronomy, all to be published next spring.

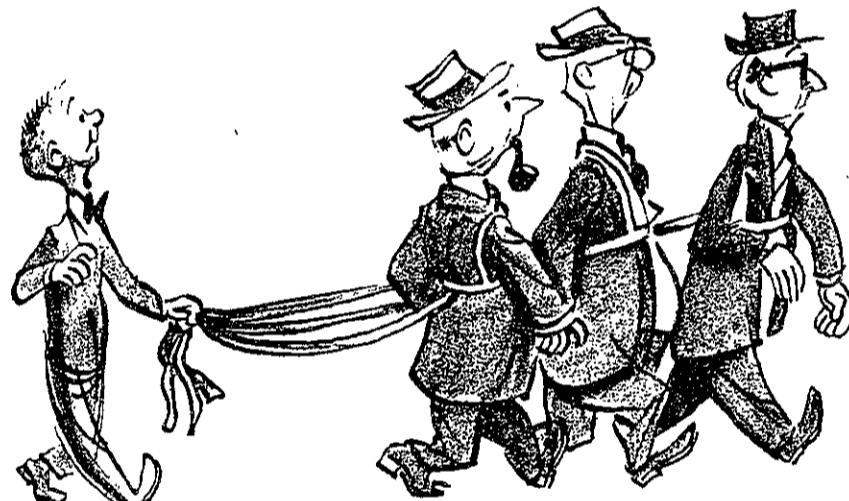
His lecture will emphasize the work of the Babylonians, Ptolemy, and Kepler, and will be presented against the cultural and cosmological background of the times.



HAIL TO THE DEAN!

Today let us examine that much maligned, widely misunderstood, grossly overworked, wholly dedicated campus figure—the dean.

The dean (from the Latin *Deanere*—to expel) is not, as many think, primarily a disciplinary officer. He is a counselor and guide, a haven and refuge for the troubled student. The dean (from the Greek *Deanos*—to skewer) is characterized chiefly by sympathy, wisdom, patience, forbearance, and a fondness for homely pleasures like community singing, farina, spelldowns, and Marlboro Cigarettes. The dean (from the German *Deangennacht*—to poop a party) is fond of Marlboros for the same reason that all men of good will are fond of Marlboros—because Marlboro is an *honest* cigarette. Those good Marlboro tobaccos are honestly good, honestly aged to the peak of perfection, honestly blended for the best of all possible flavors. Marlboro honestly comes in two different containers—a soft pack which is honestly soft and a Flip-Top box which honestly flips. You too will flip when next you try an honest Marlboro, which, one honestly hopes, will be soon.



But I digress. We were learning how a dean helps poor, troubled undergraduates. To illustrate, let us take a typical case from the files of Dean S..... of the University of Y..... (Oh, why be so mysterious? The dean's name is Sigafoos and the University is Yutah.)

Wise, kindly Dean Sigafoos was visited one day by a freshman named Walter Aguincourt who came to ask permission to marry one Emma Blenheim, his dormitory laundress. To the dean the marriage seemed ill-advised, for Walter was only 18 years old and Emma was 91. Walter agreed with the dean, but said he felt obligated to go through with it because Emma had invested her life savings in a transparent rainhood to protect her from the mist at Niagara Falls, where they planned to spend their honeymoon. If Walter called off the wedding, what use would the poor woman possibly have for a rainhood in Yutah? The wise, kindly dean pondered briefly and came up with a brilliant answer: let Walter punch holes in the back of Emma's steam iron. With steam billowing back at the old lady, she would find a rainhood very useful—possibly even *essential*.

Whispering with gratitude, Walter kissed the dean's Phi Beta Kappa key and hastened away to follow his advice—and the results, I am pleased to report, were madly successful!

Today Emma is a happy woman—singing lustily, wearing her rainhood, eating soft-center chocolates, and ironing clothes—twice as happy, to be candid, than if she had married Walter. And what of Walter? He is happy too. Freed from his unwanted liaison with Emma, he married a girl much nearer his own age—Agnes Yucca, 72. Walter is now the proud father—stepfather, to be perfectly accurate—of three fine, healthy boys from Agnes's first marriage—Everett, 38; Wilhelm, 43; and Irving, 55—and when Walter puts the boys on a lead and takes them for a stroll in the park on Sunday afternoon, you may be sure there is not a dry eye in Yutah.

And Dean Sigafoos? He too is happy—happy to spend long, tiring hours in his little office, giving counsel without stint and without complaint, doing his bit to set the young, uncertain feet of his charges on the path to a brighter tomorrow.

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We don't say Marlboro is the dean of filter cigarettes, but we're sure it's at the head of the class. Get some soon—wherever cigarettes are sold in all fifty states of the Union.

Holland Was Politician While Undergrad

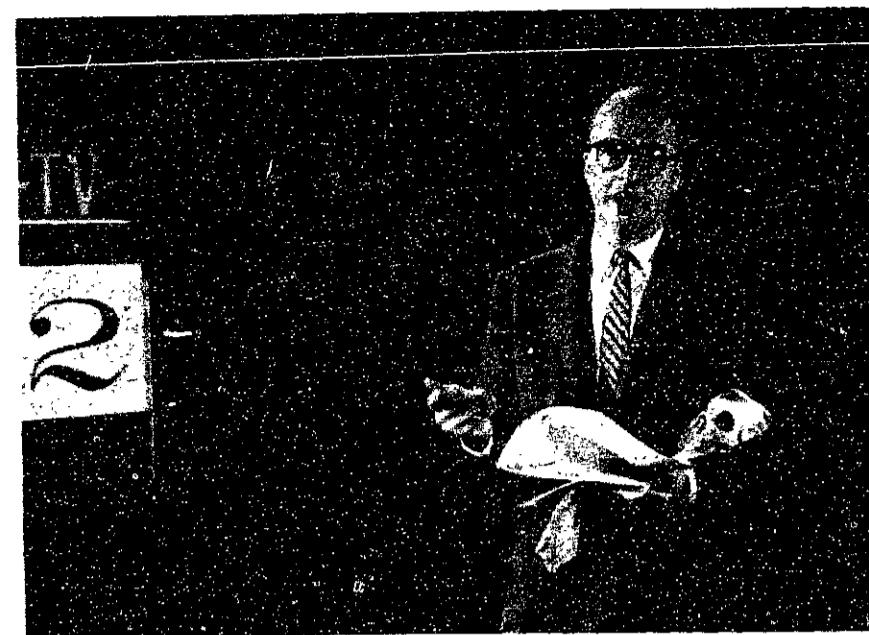
Professor Norman N. Holland of the Humanities Department is a man with many interests. He graduated from MIT in 1947 with a B.S. in electrical engineering, after having served as UAP and Senior Class President. He then went on to receive a Ph.D. in English from Harvard.

He says he switched to English because "I like English." At present he teaches Shakespeare and Comedy. His comedy course, originally called The Comic Sensibility, is now called The Nature of the Comic.

Professor Holland has had one book published up to this time. The book, 'The First Modern Comedies,' which discusses the significance of Etherage, Wycherley and Congreve, is published by Harvard University Press.

He also has a second book, entitled 'The Shakespearean Imagination,' due to be published in June. The book grew out of a TV criticism series that Professor Holland did on WGBH-TV in the fall of 1960.

"Another thing I've been working on is programmed instruction (teaching machines). I'm interested in the possibility of teaching literature this way—automatically, so to speak."



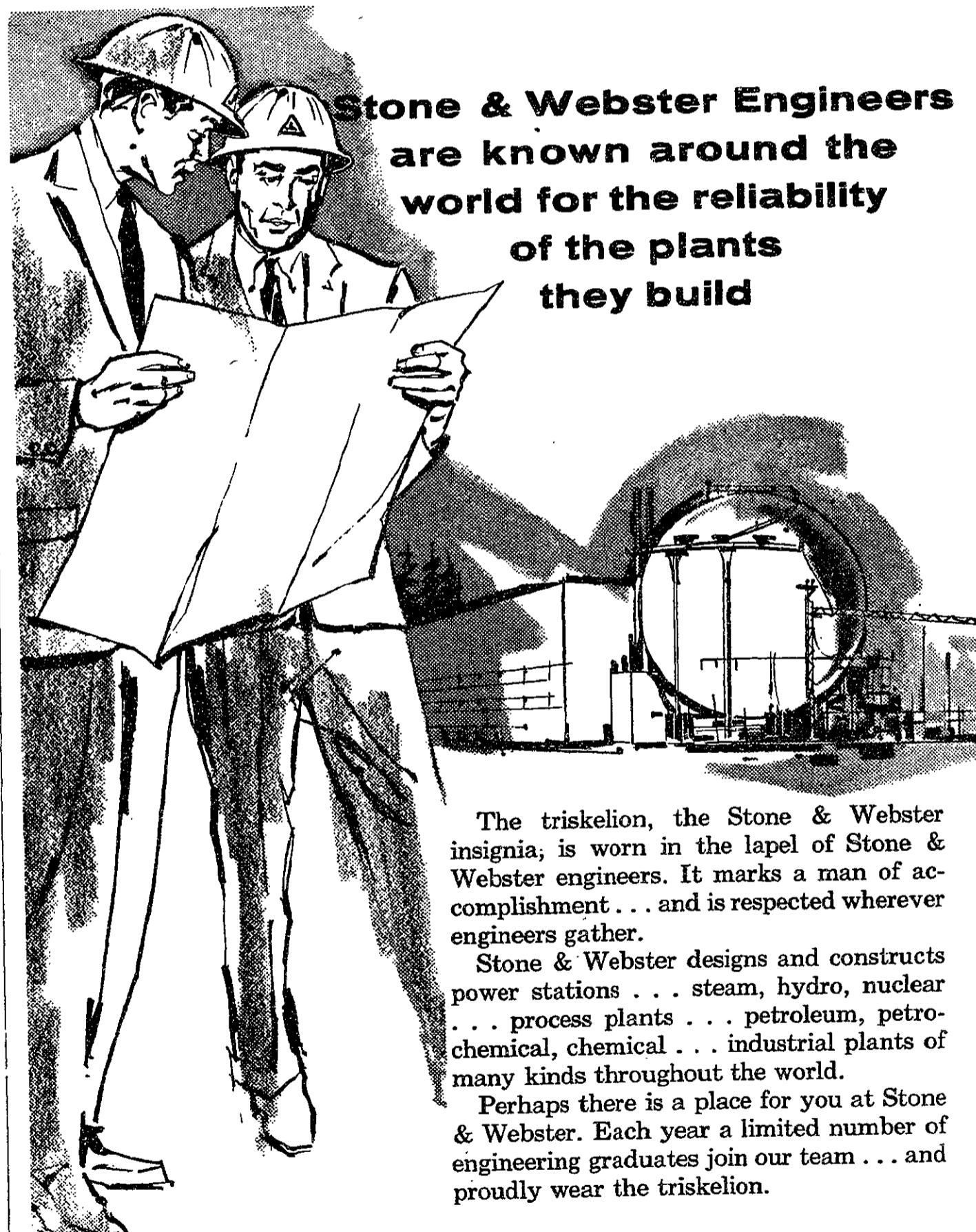
Prof. Norman N. Holland lecturing on Shakespeare as part of a series on WGBH-TV in 1960.

At present Professor Holland is on the Editorial Committee of the close reading of 'Macbeth,' 'Romeo and Juliet,' and 'Julius Caesar.' These programs are now in the process of being tested, and Professor Holland hopes that they will be in high schools in the fall.

His real field of study, however, is editor of the magazine of the Society of Cinematologists.

THE TECH
WEDNESDAY, MARCH 6, 1963

Page 11



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TCA Asked To Investigate Charter Flight Sponsorship

The Technology Community Association has been asked to investigate the possibility of sponsoring charter flights for the MIT community in coming years. Mr. Larry Bishoff, of the Office of Student Affairs, who made the request, stated that TCA turned down a similar suggestion last year.

The Inscomm Entrepreneurship Committee is also investigating, to determine whether the interests of the MIT community would be best served if the flights were sponsored by a service group, or if they are better sponsored by individual entrepreneurs. However, Stephen B. Miller '64, chairman of the committee, stated that his group is still concentrating

most heavily on the student entrepreneur situation in general.

Organizers of charter and group flights are now selected by a special committee consisting of Dean Wadleigh, Mr. Bishoff, two members of the Undergraduate Association, and two members of the graduate student body. The Institute cannot enforce a monopoly; however, it can select those persons to whom it grants the privilege of using MIT facilities in their enterprise. In any case, MIT does not assume responsibility for the activities of student entrepreneurs.

When questioned on TCA's intentions, Ron Randall, president of the association, stated, "No comment."

Unitarian Workshop Discusses Relation Between Religious And Scientific Quests

An Open Workshop on Religion and Science February 26 discussed the topics 'How Can Science Aid the Religious Quest?' and 'How Can Religion Aid the Scientific Quest?'

The workshop was one of a series sponsored by the Unitarian-Universalist Ministry at MIT. Featured speakers were Henry B. Phillips, Professor Emeritus of Mathematics; Randall Gibson, staff engineer of the Instrumentation Laboratory and minister to the Woburn Unitarian Church; William Pinson, professor of geology and geophysics; Rabbi Herman Pollack, MIT Hillel adviser; and James Scroggs, Congregational minister.

Much of the discussion centered on the topic of truth—what it is and how it applies to religion and science.

Considerable stress was placed on the defining of terms throughout. Prof. Phillips defined religion as "man's attempt to promote progress" and proceeded to show how he arrived at this definition. The problem of facts and how they applied and affected the religious realm and scientific realm underwent careful examination by the participants.

Inscomm Studies Social Weekends Entrepreneurship

Inscomm discussed social weekends, intercollegiate conferences and entrepreneurs at its meeting last Thursday.

Barton A. Weitz, chairman of Winter Weekend Committee, felt that the time chosen for the weekend was bad. He said that all who attended enjoyed the weekend, and stated that the failure of the weekend was not the fault of the committee members. It was suggested that committee members were "overqualified" persons who had their attention divided among many campus activities.

Also considered was better publicity for intercollegiate conferences.

A motion to regulate student entrepreneurs passed unanimously. A prospective entrepreneur must submit his proposal to Litchfield Lounge; it is then forwarded to the Dean's Office.

If the student hears nothing within three days, he may proceed with his plans.

Pinson Will Lecture On Rubidium-Strontium Aging

Prof. William H. Pinson will speak on 'Rubidium Strontium Aging of Stony Meteorites' at 5:00 p.m. tomorrow in the Spofford Room, 1-236.

The lecture will be sponsored by the MIT Chemical Society. All interested members of the MIT community are invited to attend.

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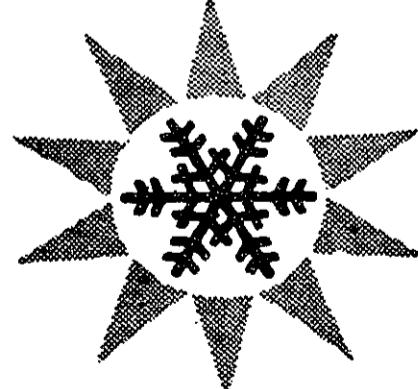
TCA Blood Drive Set For April; Goal: 1700 Pints

TCA has set a goal of 1700 pints of its Blood Drive this year. The amount would top last year's donation of 1170 pints, a three-year record.

The 1963 drive will run from April 1 to 4. Living-group solicitations are already in progress. Non-resident students may pledge at the TCA booth in the lobby of Building 10.

The blood needs of every member of the MIT community are completely covered by the Red Cross. Furthermore, the Red Cross provides blood free of charge for the entire family of anyone at MIT who gives blood.

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MIT UNDERGRADUATES interested in participating in a bargaining experiment that has reference to international politics should call Mr. Carlson at UN 8-7600, Ext. 470. The experiment takes about two hours and participants can expect to earn a minimum of \$5 depending on their skill. MIT ext. 83-470.

21 Lawrence Street is pleased to announce the Engagement of Miss Carol Goodman of Radcliffe College to Mr. Robert Turtz of MIT



1. My theory on looking for a job is—Play it big! Shoot for the top! Go straight to the prez for your interview.

I don't know any presidents.

2. Use your head, man. Have your dad set up appointments with some of the big shots he knows.

He's a veterinarian.

3. Beautiful! All you have to do is find a president who likes dogs. You'll have him eating out of your hand in no time.

I don't know an Elkhound from an Elk.

4. Frankly, I don't know what else to tell you. You've got a problem.

It's not as bad as it seems. My idea is to find out the name of the employment manager at the company I'm interested in. Write him a letter telling him my qualifications. Spell out my interests, marks. Simple as that.

5. A letter to the employment manager! Ho ho ho! You've a lot to learn.

Then how come I landed a great job at Equitable—an executive training spot that's interesting, pays a good salary and has a lot of promise for the future.

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Home Office: 1285 Avenue of the Americas, New York 19, N.Y.
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or write to William E. Blevins, Employment Manager.

I'm not the president, but I'll try.

6. Say, could you set something up for me at Equitable?

Then how come I landed a great job at Equitable—an executive training spot that's interesting, pays a good salary and has a lot of promise for the future.

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Day Camp Applications At Swarthmore Conference

Available At Dupont

Applications for the MIT Day Camp, open to children (ages 6-13) of members of the MIT community, are available at the Dupont Athletic Center.

The eight-week season opens June 24 and will be directed this year by Jack Barry, MIT varsity basketball and baseball coach. The season will be divided into four two-week quarters.

Tuition is \$40 per quarter of \$145 for the entire season. The camp offers diverse activities in both physical recreation and the creative arts.

South American Economics Discussed

Ralph Earle '64 and Jeff Levinger '63 represented MIT at a conference on 'Democracy and Development in Latin America' during the weekend of February 15-17.

Over 120 delegates from United States colleges attended the conference, which took place at Swarthmore College in Swarthmore, Pennsylvania.

After registration Friday afternoon, the delegates heard addresses by the Honorable Chester Bowles, President Kennedy's special advisor on African, Asian, and Latin American affairs, and by Senor Cleantho de Paire Leite, Executive Director of the Inter-American Development Bank.

Bowles first cited the barriers to development in Latin American countries: an impoverished, apathetic populace and a reactionary, privileged elite. He then emphasized the need for agrarian reform.

Bowles stressed that economic development is not enough. In his opinion, Venezuela, although it enjoys the highest per capita income in Latin America, suffers from poor income distribution. "Rising per capita income," Bowles concluded, "does not always give you a better society."

Bowles listed three economic reforms he considers desirable in Latin America: a progressive income tax, a halt to the outflow

of investment capital, and a careful check on foreign exchange. In conclusion, Bowles warned that "we cannot buy love, loyalty, or gratitude."

Alignment May Shift

Senor de Paire Leite then spoke on 'Economic Development and Social Change in Latin America.' He pointed out that the formation of the Common Market has driven Latin America to increased trade with socialist countries, whose high growth rates make them an attractive market.

Senor de Paire Leite foresaw a possible reversal of the traditional Latin American alignment to the West. He stressed that "both from an economic and political point of view, it is useful for (the Latin American states) to have alternative sources of supply."

After panels and seminars Saturday, the conference ended Sunday morning with a concluding panel discussion. To organize the ideas presented at the conference, the panel compared Latin America today with the United States of 1850. At that time, they pointed out, the southern states, dominated by about 2000 people, were attempting to suppress the growing social revolution.

The panel saw hope for the future of the Alliance for Progress. Its success depends, they believed, on destroying its image as a tool of United States foreign policy for gaining concessions.

Repairs Too Expensive

Tech House Abandoned By TCA

The Technology Community Association has announced the abandonment of Tech House, located on MIT property at Buzzards Bay near New Bedford. According to Dean Kenneth R. Wadleigh, the 14-room duplex structure is already closed and will be sold as soon as possible.

The building has been in need of repairs which would have cost about \$15,000. TCA decided that the use of the house did not justify such an expenditure and notified the Office of Student Affairs that the amount could be better used elsewhere.

Undergraduate organizations accounted for only 11% of the use of Tech House.

After circulating a questionnaire to student activities regarding interest in a new Tech House, TCA drew up plans for the acquisition of a ski cabin or similar building near Lake Winnipesaukee, New Hampshire. A request for funds totaling about \$30,000 was turned in to the Activities Development Board, but was later withdrawn in the belief that the amount could be better used elsewhere.

Political Advertisement

John P. Proctor, Jr.

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of your vote
for
'65 President
in the lobby
of Building 10
March 12, 1963

LAST
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FRI. and SAT.

8:30 P.M.

Tickets — Bldg. 10

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Foreign Student Report Says School Programs Need Revision

"In 1961-62 there were more than 60,000 foreign students on United States campuses. In one decade, the number has increased by 75 per cent, and on the basis of the present trend, the number will exceed 100,000 in another 10 years."

This passage, from the report of the Committee on the Foreign Student in American Colleges and Universities, shows the need to improve foreign student programs.

The report says schools must recognize the significance of foreign students as basic and essential parts of their educational mission. Closer cooperation between academic advising and

personal counseling must be established, the report states.

Admissions policies should be revised to put emphasis on admitting those students whose basic objectives can best be served. One consideration for admission, the Committee contends, should be the candidates' potential contributions to their countries' development.

Orientation programs for foreign students must not only help the student master the details of living on the American campus, but must also look to the long-range objective of exposing the student to American life to give him an understanding of social and political institutions

By Toby Zidle '63

College World

SINA President Is Coming To MIT; May Start Chapter To Fight Nudity

SINA is coming! The Tech has been informed that G. Clifford Prout, SINA president, will be coming to MIT this month to organize a student chapter here.

What is SINA? Nothing else but the Society for Indecency to Naked Animals. The objective of the society is to "protect our children from the sight of naked horses, cows, dogs and cats."

Consequently, article IV of the society's constitution reads:

"Be it resolved that the members of SINA shall devote their time and energy to clothe all naked animals that appear in public, namely horses, cows, dogs and cats, including any animal that stands higher than 4 inches or is longer than 6 inches."

"Clothe All Animals — Decency Today Means Morality Tomorrow," is the group's motto.

Moral Climate

SINA was formed in 1956 when Prout inherited \$400,000 from his father's will. According to the terms of the will, however, the money was to be spent within 10 years and had to be used for "improving the moral climate of animals."

Prout immediately began preaching for animal clothing. At first, people turned a deaf ear to his pleas. "Nobody realized what a terrible moral menace naked animals really are," he said.

In fact, Prout received a summons from a mounted patrolman for speaking in New York's Central Park without a permit. "I retaliated," said Prout, "by giving the cop a SINA summons for contributing to the delinquency of his horse."

Prout believes that all animals have a built-in sense of modesty and that they prefer to wear clothes. Whenever he hears about a case of "animal nudity," he sends a letter to the offending person.

In 1959 he wrote to Northwest Orient Airlines protesting the appearance of a naked horse in the airline's show window in New York.

David Sarnoff, board chairman of RCA, received a letter in June from Prout, pointing out that RCA's trademark — a dog named Nipper — was immodest.

A Disaster Area

In addition to his letter-mailing campaign, Prout personally travels to cities throughout the United States in order to further his clothes-for-animals drive.

San Francisco was the site of one of his visits last August. "San Francisco is a moral disaster area," Prout declared. "There are over 700,000 naked animals running around loose."

"There's a definite correlation between this animal nakedness and the city's high rates of alcoholism and suicide. The sight of so many naked animals also helps to explain why there is so much juvenile delinquency and adult crime."

Prout claims that his campaign has just begun. "We now have 40,000 members from coast to coast and a Washington lobby to influence animal legislation."

"We distribute patterns for animal clothing through the mail, and SINA has 14 emergency clothesmobiles spotted around the U.S. ready to rush in to any area where animal morality is low."

And G. Clifford Prout is planning to visit MIT this month.

Riflemen Down BU; Place Fourth, Sixth In NRA Tournament

MIT soundly defeated Boston University Friday 1419-1355 on the Tech range. Two squads from Tech took 4th and 6th place in the National Rifle Association's New England Tourney Saturday in New London, Connecticut.

Captain Dick Ludeman '63 sparked the team with 288 points in Friday's dual meet. He was given creditable support by Jim Downard '65, 286; Jerry Skinner '63, 284; Bruce Peterson '63 281; and Dave Hamada '65, 280.

15 teams of 4 men each participated in Saturday's tourney, and Northeastern won with 1144. MIT's A team took 4th with an 1132 aggregate. Downard had 286; Ludeman, 283; Skinner, 283; and Joe Boling, '64, 280.

The B team was led by its shooting manager with 286. Peterson and Karl Frederick '65 followed with 278's, while Hamada had 275, for an aggregate of 1117 and 6th place.

Fresh Baseball Practice Set For Tues., March 11

The first practice for the freshman baseball squad is set for Tuesday, March 11 at 4:00 p.m. in the armory. All interested are invited to attend.

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THE TECH COOP

THE BELL TELEPHONE COMPANIES
SALUTE: MIKE HARRIS

Mike Harris (B.S.E., 1961) is an Engineer with New Jersey Bell Telephone Company in Trenton. Mike reviews the day-to-day problems of the Red Bank District which arise in building space planning and central office equipment programming.

Since his solutions to these problems bring about improvements in speed and quality of telephone service,

Fijis Top Sr. Hse. To Ice Puck Tourney

Phi Gamma Delta defended their intramural hockey championship by beating Senior House 2-0 Sunday night. Norman Dorf '62 continued to be the big gun for the Fijis, scoring both of the goals. The loss by Senior House snapped their winning streak at six games, longest of any team in the playoffs. Earlier in the week Senior House had defeated Grad House 8-4 and Theta Chi 2-1 in an unexpected show of strength. Senior House finished

the regular season at 2-2, and Fijis finished with 3-1.

The Intramural All-Star team as picked by the referees:

First Team

Goalie, Pete Svahn '63, LCA; Defense, Dennis Buss '63, LCA, Dave Sullivan '64, TC; Forward, Norman Dorf '62, PGD; Charles Swift, Grad Hse.; Ed Silver '64, Sr. House. Alternates

Goalie, Jim Scheires '63, CP; John Vleck '63, Defense, Al Clark '63, NRSA; Rudy Lorentz '64, Sr. Hse.; Pete Staeker '64, TC; Jan Treiman '64, CP; Forwards, Ho Chu, EC; Steve Fletcher '65, LCA; Bob Foster, TDC; Rick Gander '65, TC; Tom Hastings, PGD; George Saunders, Grad Hse.

FINAL STANDINGS

1. Phi Gamma Delta
2. Senior House
3. Theta Chi
4. Grad House
5. NRSA
6. Lambda Chi Alpha
7. Delta Psi
8. Phi Mu Delta
9. Theta Delta Chi
10. Sigma Chi
11. Chi Phi
12. Kappa Sigma
13. Alpha Tau Omega
14. East Campus

LEADING SCORERS

Silver, SH	12	9	21
Dorf, PGD	16	4	20
Swift, GH	12	4	18
Springer, GH	8	4	12
Levine, SH	8	3	11
Lorentz, SH	5	6	11
Aucamp, PGD	4	7	11

Swimmers Lose, Close With 8-6 Mark

The varsity swimmers finished the '63 season with a winning record of 8-6 despite losing their last dual meet 57-38 to Brown University.

Dick St. Peters '65 swam hard in the 200-yard freestyle to place 2nd. Wayne Matson '64 took 3rd in a close 50-yard freestyle. In the 200-yard individual medley Eric Jensen '64 finished 2nd while Bill Brody '65 held out Brown's 2nd man for a 3rd. A 1st place was taken by Steve Colburn '63 in the one-meter diving with 63 points.

in the diving for the only one-two

Lou Thompson '63 placed 2nd victory in the meet. In the 200-yard butterfly Brody finished in a close 2nd doing his best time of the season. Other seconds were taken by Sandy Blanchard '65 in the 100-yard freestyle and Frank Mechura '65 in the 200-yard backstroke. Bob Geroch '64 placed 3rd in the backstroke.

Another 1st was taken in the 500-yard freestyle, as St. Peters, holding a steady pace, outswam his Brown opponent in 5:43.0,

while Jensen took 3rd. In the 200-yard breaststroke Charlie Einolf '63 took first while Cash Peacock '65 placed in a close third.

On Deck

Friday, March 8
Swimming (V & F)—N.E.I.S.A. at Southern Connecticut

Wrestling (V & F)—New Englands at Springfield

Saturday, March 9
Pistol—Massachusetts, Away
Swimming (V & F)—N.E.I.S.A. at Southern Connecticut

Track, Indoor—I.C.A.A.A. Meet at New York

Wrestling (V & F)—New Englands at Springfield

Frosh Cagers Lose

To Trinity 95-57;

Brown Beats Mermen

The cagers closed out their season this Saturday with a 95-57 loss to Trinity College of Connecticut. In the first half, the Techmen held the tough Trinity five to only a three point lead. The second half saw the visitors explode to a final lead of 38 points. High scorer for MIT was co-captain John Kreick who got 21 points. Jack Mazola was second in the scoring column tallying 17 points.

Swimmers Lose

The tankmen finished their year with an away meet against Brown. The final score was 82-13, Brown.

Matmen In Exhibition

The matmen had an exhibition match on the home floor with Worcester Polytech. MIT entered men in 137, 147, 167, and 177 lb. classes. Individual scores were not available at press time.

Bowdoin Downs Trackmen

The trackmen journeyed to Bowdoin to end the indoor season Saturday with a meet against Bowdoin's freshmen. Although Tech lost 75-37, several men turned in fine performances. Rex Ross took first in the broad jump with a leap of 21'1". Sumner Brown took firsts in both the mile and the 1000 yd. run, and Larry Schwoeri nearly broke the record (1:16) in the 600 yd. run with a sizzling 1:16.2 performance.

New Cricket Club Formed

The MIT Cricket Club, formed last year, will become active this month. Interested students may join by signing the sheet on the Foreign Students Office notice board.

**LAST
CHANCE
'SINS AND
NEEDLES'**

FRI. and SAT.

8:30 P.M.

Tickets — Bldg. 10

TELEPHONE MAN-OF-THE-MONTH



BELL TELEPHONE COMPANIES



MIT Fencers Triumph Over 4 Teams In New England Intercollegiate Championships

By Bob Felix

In a display of skill and fire rarely seen on local fencing strips, MIT won the 11th annual New England Intercollegiate Championships Saturday at DuPont. The Techmen completely dominated the play in all 3 weapons and decisively demonstrated their superior ability over representatives from Brandeis, Bradford-Durfee, Harvard and Trinity.

Tech Wins 40 Bouts

With forty bouts fought in each weapon, MIT led the field with 13 bouts in foil, 15 in sabre, and 12 in epee, for a total of 40 bouts won. 2nd place Trinity

won a total of 27 bouts, and 3rd place Brandeis took 24.

Well Top Individual Fencer

Tech's Al Weil, '63, took 1st place in the individual championship, winning all 8 of his bouts and bringing his season record to 22-11. Art Best, '64, was a close second place, losing only to Trinity's Taylor in a 3 to 5 bout; Best's season record is now best on the team 24 to 11. Harvard's Butler captured the third place, losing only to Weil and Best.

Snow Defeats Yeatton

In the epee individual championships, MIT's Dave Snow, '63, overcame the

fine fencing of Trinity's Yeatton, who is 8th ranked nationally, in a playoff for first place. Snow now has a season record of 22-13. Following Snow and Yeatton, Brad-Durfee's Studniarz placed 3rd, and MIT's Dave Juncker '63, placed 4th.

Foils Take 2nd

The MIT foils had to settle for 2nd place in a closely-fought contest. Levin, from Brandeis, was undefeated and captured 1st place; Tech's Barry Rosof, '63, lost 5-4 to Levin and took 2nd. Ralph Zimmerman, '64, and Trinity's Chang were tied in bouts, each winning 6 and

losing 2, and 3rd place was awarded to Chang on the basis of touches received. Chang had 23 and Zimmerman had 24, so Chang took third place and Zimmerman took fourth. Zimmerman lost to Chang 5-2 and 1-0 to Levin.

MIT Wins Elde Trophy

MIT succeeded in capturing 4 of the 6 trophies for 1st and 2nd place, plus the team trophy and the traveling Elde Trophy, for a very satisfactory day.

The team will travel to Philadelphia in 2 weeks for the E.C.A.C. championships. The top college teams in the eastern area compete in these matches.

Hoopmen Split, Close Season At 14-8

By Joseph M. Blew

Tech's fine basketball team split a final pair of away games last week, bringing their season mark to 14-8. Wednesday night Tech clobbered highly-rated Tufts by a 62-49 count. Saturday night the Engineers had their 7 game win streak broken as they were upset by a hot-shooting Trinity quintet 80-62.

Paarz, Groninger Bow Out

1962 Coach-of-the-Year Jack Barry thus completed his fourth season at the MIT helm. His teams have compiled records of 1-16, 11-8, 17-4, and 14-8 or 43-36 overall. Senior co-captains Jeff Paarz and Kent Groninger have teamed up in the Tech backcourt for 3 seasons each. During these

years the Beavers have won 42 games, lost only 20. Paarz has been a consistent 10 point-a-game performer, scoring 214 points this season for a 9.7 ppg average. Groninger has been a vastly improved scorer in the backcourt hitting the second highest total on the team, 245 points, for an 11.1 ave. This performance moves Kent into eighth place in all-time MIT one-season scoring, behind Bill Eagleson, Dave Koch, and Dimitry Vergun (twice each) and Bob Polutchnko.

MIT Leads Tufts At Half

The Tufts game started out as a defensive battle with the score tied several times in the opening minutes. However, jumpers by Moter and Groninger, a fast

break lay-up for Paarz and two free throws by Moter opened up a 22-13 lead for MIT. Tufts jump-shooter Bob Goldberger chipped away the Tech lead to just 30-25 at halftime with 8 long-range points.

The Jumbos Came Out Fired Up

for the second half, and a concerted drive produced a tie at 33 with 15:00 to go. The teams traded baskets until Goldberger gave Tufts a momentary 41-39 lead at the 12 minute mark. The Beavers were not to be denied, however. Eagleson tapped in, then dropped a jump shot. The defense functioned beautifully as Paarz, Grady, and Eagleson clicked off the points. Tech had a 52-42 lead at the 7 minute mark, when the Jumbos took a timeout. Tufts was able to tight-

rolled up a 45-44 lead at the half.

Eagleson Dunks One, Scores 22

Grady stopped a Tufts fast break and found Eagleson alone. The Eagle performed a two-hand stuff, and the demoralized Jumbos had lost. Substitutes played out the game to its 62-49 conclusion. Eagleson had 22, Groninger 12, and Paarz 10 for Tech, while Goldberger threw in 18 for Tufts.

Trinity Shoots 20 For 32

MIT led for 9 minutes of the Trinity game. The score was 13-11 with 11:10 to go in the first half. Three straight long bombs by Bill Gish (24 points) put Trinity ahead for keeps, and John Fenrich, Barry Leghorn and he kept up the aerial fireworks the mark, when the Jumbos took a timeout. Tufts was able to tight-

rolled up a 45-44 lead at the half. The Engineers battled fiercely and played a man-to-man press throughout the second half. Tech ran within 16 several times, but each threat was repelled by the long jump shot route. To their credit, Trinity was poised enough to maintain momentum and wait for opportunities. Leghorn and Gish combined for 9 second half buckets and several came in the crucial stages. Jeff Paarz had 5 baskets, and Kent Groninger 4, and both played fine defense in the second half. Tech rolled up 38 points in that half but was never able to get close.

5 Techmen In Twin Figures

The Engineers outscored Trinity 38-35 in the second stanza and served notice of a different outcome in next season's opening game, also at Trinity. The entire first five hit double figures. Paarz had 16, Moter 13, Grady and Eagleson 11, and Groninger 10.

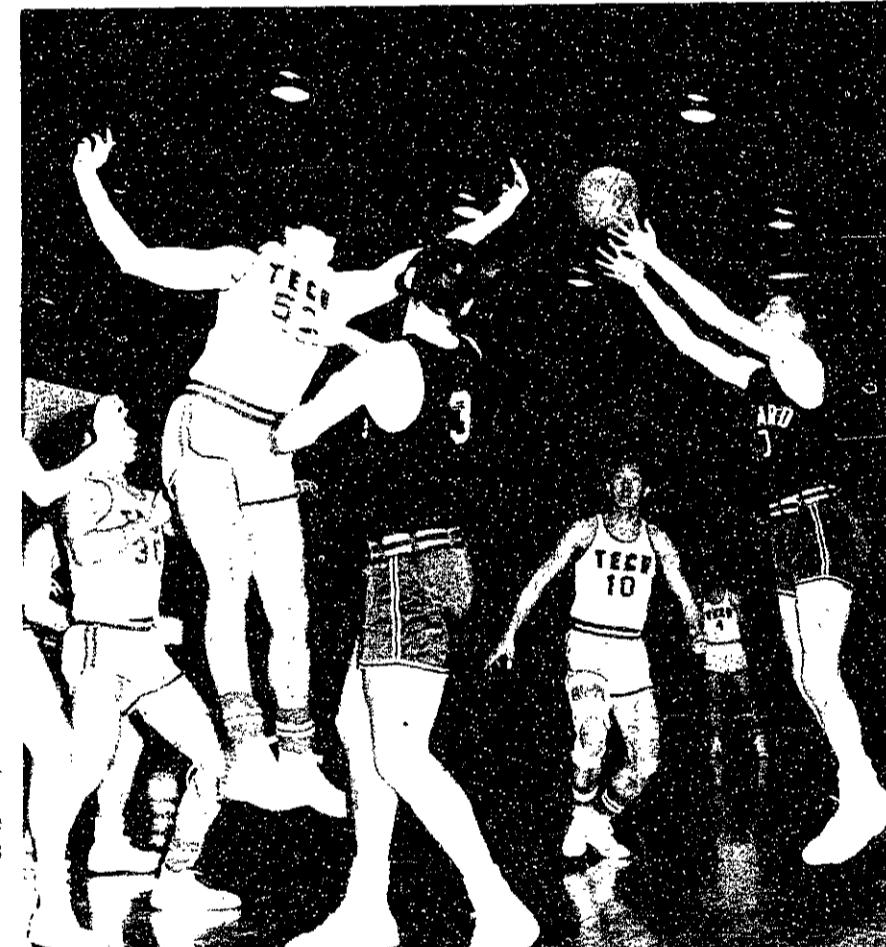
Quintet Sets Records

This 1962-3 quintet set new MIT records for both total points and per game average. The Engineers racked up 1494 points in 22 games for a 67.9 average. The 1961-2 squad held the previous mark with 1380 for 65.9 ave.

	FG	FT	PF	PTS
French	1	0	1	19
Berger	1	1	1	4
Brennan	0	1	0	2
Solomon	0	0	4	22
Jacobson	0	0	5	16
Goldberger	0	0	6	42
Dalton	0	0	2	2
Holmes	1	1	0	2
Brown	0	0	1	2
Saphier	0	0	0	0
Spath	1	1	1	2
TOTALS	20	9	17	49
MIT	FG	FT	PF	PTS
Grady	2	2	3	6
Groninger	2	2	2	12
Paarz	5	4	11	22
Moter	2	2	1	10
Eagleson	2	2	2	10
Alusic	0	0	0	0
Larsen	0	0	0	0
Yin	0	0	0	0
Joseph	0	0	1	1
TOTALS	25	12	10	62

	FG	FT	PF	PTS
Leghorn	8	3	2	19
Gish	11	2	2	24
Fenrich	6	1	1	13
Uphoff	0	1	1	1
Brooks	5	2	2	12
Swander	2	0	0	0
Lawrence	1	1	1	3
Morisse	1	1	1	3
TOTALS	34	12	18	80
MIT	FG	FT	PF	PTS
Grady	3	2	2	11
Paarz	6	0	3	16
Moter	3	0	3	13
Eagleson	6	1	5	11
Alusic	3	1	4	11
MoQuilken	0	0	0	0
Dawie	0	0	0	0
Joseph	0	0	0	0
Yin	0	0	0	0
TOTALS	25	12	15	62

	FG	FT	PF	PTS
Leghorn	8	3	2	19
Gish	11	2	2	24
Fenrich	6	1	1	13
Uphoff	0	1	1	1
Brooks	5	2	2	12
Swander	2	0	0	0
Lawrence	1	1	1	3
Morisse	1	1	1	3
TOTALS	34	12	18	80
MIT	FG	FT	PF	PTS
Grady	3	2	2	11
Paarz	6	0	3	16
Groninger	3	0	3	13
Moter	6	1	5	11
Eagleson	3	1	4	11
Alusic	0	0	0	0
MoQuilken	0	0	0	0
Dawie	0	0	0	0
Joseph	0	0	0	0
Yin	0	0	0	0
TOTALS	25	12	15	62



George McQuilken (52) fights for ball against jumping Crimsonite in Thursday's JV contest at DuPont. Frank Yin (10) and Don Alusic (30) anxiously await developments. Dick Shoemaker (4) looks on in background. MIT defeated Harvard 86-73 for a 6-2 season mark.

—Photo by William Park

Rally Falls Short

Cindermen Bow 58-55

MIT's track squad was defeated by Bowdoin 58-55 last Saturday in their last meet of the indoor season. Trailing 42-21 after seven events, the Harriers put on a very strong rally to draw within 6 points with only the pole vault left. However, Bowdoin's Ronan cleared 12 feet for a second place, stopping Tech's bid for their fifth win in a row.

Lukis Takes Pole Vault

Bowdoin had excellent men in the field events, as they swept the broad jump and the shot put. Jim Kotanchik '64 placed third in the 35lb weight throw and Dave Carrier '65 placed second in the high jump. Gary Lukis '64 won the pole vault as John Shaner '64 took third in his best showing of the year.

Captain Tom Goddard '63 won the mile run, backed up by Dick McMillin '65 in third. Goddard re-

turned to take third in the very fast paced 1000 yd run and McMillin showed his endurance by winning the 2-mile run in 10:10. Forrest Green '63, running his fastest this year, took second in the 600 yd run.

Flink Wins Three, Helps Relay

Jim Flink '64, in his best form of the year, won the 40 yd dash, backed up by Dennis Reinhardt '65 in second, and took first in both hurdles events. Al Tervalon '65 placed second in both the high and low hurdles events as Terry Dorschner '65 took third in the low hurdles to complete the sweep of this event.

The relay team of Flink, Mike Parker '65, Green, and Dorschner won with the time of 3:32.8.

There will be an outdoor track rally in Rockwell Cage Tuesday, March 12, for all those interested in participating, both on varsity and frosh teams.

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How They Did

Basketball

MIT 62—Tufts 49
Trinity 80—MIT 62
Trinity (F) 95—MIT (F) 57

Fencing

MIT wins New Englands